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Trinity College

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TRINITY COLLEGE BULLETIN

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HARTFORD, CONN.

Catalogue Issue for 1961

September 1960



The Calendar for 1960 – 1961 – 1962

1960	1961	1962
July S M T W T F S .. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	January S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	January S M T W T F S .. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
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(Boldface type indicates that the College is in session, also see page 4)

TRINITY COLLEGE BULLETIN

Catalogue Issue for 1961

Catalogue Number 209



One Hundred Thirty-eighth Year of the College

SEPTEMBER 1960

HARTFORD, CONNECTICUT



THE LONG WALK

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ATTENTION IS CALLED TO THE FACT THAT ALL STUDENTS ARE TO BE GOVERNED BY THE RULES, REGULATIONS AND PROVISIONS CONTAINED IN THIS ANNOUNCEMENT AND IN THE PAMPHLET, "TRINITY COLLEGE HANDBOOK," SEPARATELY PUBLISHED, SUBJECT TO THE RIGHT OF THE TRUSTEES AND THE FACULTY TO REPEAL, CHANGE, AMEND OR TO ADD TO THEM OR ANY OF THEM.

College Calendar

(see inside front cover)

1960

SEPT. 12	<i>Monday</i>	Freshman Week begins.
SEPT. 15	<i>Thursday</i>	Registration for Upperclass Students.
SEPT. 16	<i>Friday</i>	Registration for Upperclass Students continued.
SEPT. 19	<i>Monday</i>	Christmas Term of the One Hundred Thirty-eighth Academic Year begins.
OCT. 15	<i>Saturday</i>	Meeting of the Corporation.
OCT. 22	<i>Saturday</i>	Parents Day.
NOV. 5	<i>Saturday</i>	Alumni Homecoming.
NOV. 23	<i>Wednesday</i>	Thanksgiving Recess begins at 4:00 P.M.
NOV. 27	<i>Sunday</i>	Thanksgiving Recess ends at 5:00 P.M.
DEC. 17	<i>Saturday</i>	Christmas Vacation begins at 12:20 P.M.

1961

JAN. 2	<i>Monday</i>	Christmas Vacation ends at 5:00 P.M.
JAN. 14	<i>Saturday</i>	Meeting of the Corporation.
JAN. 16	<i>Monday</i>	Christmas Examinations begin.
JAN. 31	<i>Tuesday</i>	Registration for Trinity Term.
FEB. 1	<i>Wednesday</i>	Trinity Term begins.
FEB. 22	<i>Wednesday</i>	Washington's Birthday. Not a College holiday.
MAR. 25	<i>Saturday</i>	Spring Vacation begins at 12:20 P.M.
APR. 4	<i>Tuesday</i>	Spring Vacation ends at 5:00 P.M.
APR. 15	<i>Saturday</i>	Meeting of the Corporation.
MAY 17	<i>Wednesday</i>	Preliminary Registration for September.
MAY 18	<i>Thursday</i>	Honors Day.
MAY 24	<i>Wednesday</i>	Trinity Examinations begin.
JUNE 9	<i>Friday</i>	Meeting of the Corporation.
JUNE 11	<i>Sunday</i>	One Hundred Thirty-fifth Commencement.
JUNE 26	<i>Monday</i>	First Session of Summer School begins.
JULY 28	<i>Friday</i>	First Session of Summer School ends.
JULY 31	<i>Monday</i>	Second Session of Summer School begins.
SEPT. 1	<i>Friday</i>	Second Session of Summer School ends.
SEPT. 11	<i>Monday</i>	Freshman Week begins.
SEPT. 14	<i>Thursday</i>	Registration for Upperclass Students.
SEPT. 15	<i>Friday</i>	Registration for Upperclass Students continued.
SEPT. 18	<i>Monday</i>	Christmas Term of the One Hundred Thirty-ninth Academic Year begins.
NOV. 22	<i>Wednesday</i>	Thanksgiving Recess begins at 4:00 P.M.

NOV. 26	<i>Sunday</i>	Thanksgiving Recess ends at 5:00 P.M.
DEC. 19	<i>Tuesday</i>	Christmas Vacation begins at 4:00 P.M.

1962

JAN. 2	<i>Tuesday</i>	Christmas Vacation ends at 5:00 P.M.
JAN. 17	<i>Wednesday</i>	Christmas Examinations begin.
JAN. 30	<i>Tuesday</i>	Registration for Trinity Term.
JAN. 31	<i>Wednesday</i>	Trinity Term begins.
FEB. 13	<i>Tuesday</i>	Matriculation of new students.
FEB. 22	<i>Thursday</i>	Washington's Birthday. Not a College holiday.
MAR. 29	<i>Thursday</i>	Spring Vacation begins at 4:00 P.M.
APR. 8	<i>Sunday</i>	Spring Vacation ends at 5:00 P.M.
APR. 19	<i>Thursday</i>	Easter Recess begins at 4:00 P.M.
APR. 22	<i>Sunday</i>	Easter Recess ends at 5:00 P.M.
MAY 16	<i>Wednesday</i>	Preliminary Registration for September.
MAY 17	<i>Thursday</i>	Honors Day.
MAY 23	<i>Wednesday</i>	Trinity Examinations begin.
MAY 30	<i>Wednesday</i>	Memorial Day. Not a College holiday.
JUNE 10	<i>Sunday</i>	One Hundred Thirty-sixth Commencement.
JUNE 25	<i>Monday</i>	First Session of Summer School begins.
JULY 27	<i>Friday</i>	First Session of Summer School ends.
JULY 30	<i>Monday</i>	Second Session of Summer School begins.
AUG. 31	<i>Friday</i>	Second Session of Summer School ends.
SEPT. 11	<i>Tuesday</i>	Freshman Week begins.
SEPT. 13	<i>Thursday</i>	Registration for Upperclass Students.
SEPT. 14	<i>Friday</i>	Registration for Upperclass Students continued.
SEPT. 17	<i>Monday</i>	Christmas Term of the One Hundred Fortieth Academic Year begins.
NOV. 21	<i>Wednesday</i>	Thanksgiving Recess begins at 4:00 P.M.
NOV. 25	<i>Sunday</i>	Thanksgiving Recess ends at 5:00 P.M.
DEC. 18	<i>Tuesday</i>	Christmas Vacation begins at 4:00 P.M.

1963

JAN. 2	<i>Wednesday</i>	Christmas Vacation ends at 5:00 P.M.
JAN. 17	<i>Thursday</i>	Christmas Examinations begin.
JAN. 31	<i>Thursday</i>	Trinity Term begins.
FEB. 22	<i>Friday</i>	Washington's Birthday. Not a College holiday.
MAR. 23	<i>Saturday</i>	Spring Vacation begins at 11:20 A.M.
APR. 2	<i>Tuesday</i>	Spring Vacation ends at 5:00 P.M.
APR. 11	<i>Thursday</i>	Easter Recess begins at 4:00 P.M.
APR. 14	<i>Sunday</i>	Easter Recess ends at 5:00 P.M.
MAY 15	<i>Wednesday</i>	Preliminary Registration for September. Classes as usual.
MAY 16	<i>Thursday</i>	Honors Day.
MAY 22	<i>Wednesday</i>	Trinity Examinations begin.

1963

MAY 30	<i>Thursday</i>	Memorial Day. Not a College holiday.
JUNE 9	<i>Sunday</i>	One Hundred Thirty-seventh Commencement.
JUNE 24	<i>Monday</i>	First Session of Summer School begins.
JULY 26	<i>Friday</i>	First Session of Summer School ends.
JULY 29	<i>Monday</i>	Second Session of Summer School begins.
AUG. 30	<i>Friday</i>	Second Session of Summer School ends.
SEPT. 10	<i>Tuesday</i>	Freshman Week begins.
SEPT. 12	<i>Thursday</i>	Registration for Upperclassmen.
SEPT. 13	<i>Friday</i>	Registration for Upperclassmen continued.
SEPT. 16	<i>Monday</i>	Christmas Term of the One Hundred Forty-first Academic Year begins.

PRESIDENTS OF THE COLLEGE

Thomas Church Brownell	1824-1831	George Williamson Smith	1883-1904
Nathaniel Sheldon Wheaton	1831-1837	Flavel Sweeten Luther	1904-1919
Silas Totten	1837-1848	Henry Augustus Perkins,	
John Williams	1848-1853	<i>Acting President</i>	1919-1920
Daniel Raynes Goodwin	1853-1860	Remsen Brinckerhoff Ogilby	1920-1943
Samuel Eliot	1860-1864	Arthur Howard Hughes,	
John Barrett Kerfoot	1864-1866	<i>Acting President</i>	1943-1945
John Brockelsby,		George Keith Funston	1945-1951
<i>Acting President</i>	1866-1867	Arthur Howard Hughes,	
Abner Jackson	1867-1874	<i>Acting President</i>	1951-1953
Thomas Ruggles Pynchon	1874-1883	Albert Charles Jacobs	1953-

Corporation

ALBERT CHARLES JACOBS, LL.D., <i>President</i> *	Hartford
NEWTON CASE BRAINARD, LL.D.*	Hartford
PHILIP JAMES MCCOOK, LL.D.	New York, N. Y.
JAMES LIPPINCOTT GOODWIN, M.F.*	Hartford
MARTIN WITHINGTON CLEMENT, D.ENG., LL.D.	Philadelphia, Pa.
ROBERT BARNARD O'CONNOR, D.F.A.	New York, N. Y.
LYMAN BUSHNELL BRAINERD, B.A., <i>Secretary</i> *	Hartford
BERN BUDD, LL.B.	New York, N. Y.
ARNOLD HENRY MOSES, B.A.*	Hartford
JEROME PIERCE WEBSTER, M.D.	New York, N. Y.
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RAYMOND JOHN WEAN, SC.D.	Warren, Ohio
HENRY SAMUEL BEERS, B.A.*	Hartford
OSTROM ENDERS, B.A.	Avon
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ALLERTON CUSHMAN HICKMOTT, LITT.D.	West Hartford
GEORGE WARREN WYCKOFF, B.A.	Pittsburgh, Pa.
VERTREES YOUNG, B.S.	Bogalusa, La.
PAUL WINFREY ADAMS, LL.B.†	New Haven
HARMON TYLER BARBER, B.S.†	Hartford
BARCLAY SHAW, LL.B.†	Chappaqua, N. Y.

ADVISORY COUNCIL

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THOMAS WRIGHT RUSSELL, B.A.	Hartford
JAMES LEWIS THOMSON, PH.B.	West Hartford
GEORGE STANLEY STEVENSON, LL.D.	New Haven
RICHARDSON WRIGHT, LL.D.	West Chatham, Mass.

* These members of the Board form the Executive Committee.

† Elected by the Alumni.

TRINITY COLLEGE

BOARD OF FELLOWS

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WILSON HAIGHT, '37, B.S.	Chappaqua, N. Y.
GLOVER JOHNSON, '22, B.A.	New York, N. Y.
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MELVIN WEISMAN TITLE, '18, B.A.	Hartford
JOHN HUMPHREY PRATT, JR., '17, B.S.	Darien
LUTHER BARTON WILSON, III, '37, B.S.	Hartford

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STEWART MARK OGILVY, '36, B.S.	New York, N. Y.
HERBERT REMINGTON BLAND, '40, B.S.	Hartford
PAUL HOLMES TWADDLE, '31, B.S.	Wethersfield

ALUMNI ASSOCIATION

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HERBERT REMINGTON BLAND, '40, <i>Vice President</i>	Hartford
ANDREW ONDERDONK, '34, <i>Secretary</i>	Hartford
WILLIAM HOFFMAN BENJAMIN, '34, <i>Treasurer</i>	New York, N. Y.

EXECUTIVE COMMITTEE

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WILLIAM H. GORMAN, II, '39	Baltimore, Md.
WILLIAM R. PEELLE, '44	West Hartford
HENRY N. FULLER, '38	New York, N. Y.
KINGSTON L. HOWARD, '51	Lexington, Mass.
ELLIOTT R. MAYO, '34	Waterbury
CHARLES T. KINGSTON, JR., '34 (<i>Ex-officio</i>)	Hartford

ATHLETIC ADVISORY COMMITTEE

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JOHN L. BONEE, '43	Hartford
FREDERIC T. TANSILL, '22	New York, N. Y.

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RICHARD D. SHERMAN, '49	Auburndale, Mass.
JOHN P. COTTER, '33	West Hartford
MONROE H. LONG, '50	New York, N. Y.
JAMES CAHILL, '27	Ramsey, N. J.
ANDREW W. MILLIGAN, '45	West Hartford

LOCAL ALUMNI ASSOCIATION PRESIDENTS

- Albany* – GEORGE K. SCHRECK, '39
43 Fernbank Ave., Delmar, New York
- Baltimore* – I. PETER MERANSKI, M.D., '25
3354 Dolfield Ave., Baltimore 15, Maryland
- Boston* – EUGENE L. BINDA, '53
19 Winslow Rd., Braintree, Massachusetts
- Buffalo* – RUSSELL A. ANDERSON, '49
887 West Ferry St., Buffalo, New York
- Chicago* – CHARLES C. BOWEN, '54
145 East Westminster, Lake Forest, Illinois
- Cleveland* – WALTER B. W. WILSON, '46
845 Hanna Bldg., Cleveland 15, Ohio
- Detroit* – BENJAMIN H. PADDOCK, III, '50
258 Fisher Road, Grosse Pointe Farms 36, Michigan
- Fairfield* – JOHN H. PRATT, '17
Ridge Acres, Darien, Connecticut
- Hartford* – DONALD J. VIERING, '42
Fidelity Mutual Life Ins. Co., 95 Woodland St., Hartford 5, Connecticut
- New Britain* – SAMUEL C. COALE, JR., '34
P.O. Box 162, Berlin, Connecticut
- New Haven* – MACINTOSH ALDRICH, '52
57 Pine Orchard Rd., Branford, Connecticut
- New London* – WILLIAM BENDIG, '53
Hollycroft, Ivoryton, Connecticut
- New York* – JOHN GOODING, JR., '31
113 Brompton Rd., Garden City, L. I., New York
- Philadelphia* – JAMES M. PERRY, '50
7909 Winston, Chestnut Hill Station, Philadelphia 18, Pennsylvania
- Pittsburgh* – JAMES G. MARKS, JR., '33
5620 Dunmoyle St., Pittsburgh 17, Pennsylvania
- South Florida* – THOMAS H. BARRY, '51
775 North East 128th St., North Miami, Florida
- Springfield* – ROBERT D. O'MALLEY, M.D., '38
1021 Northampton St., Holyoke, Massachusetts
- Washington* – MARTIN F. GAUDIAN, '23
2000 K St., NW, Suite 555, Washington 6, D.C.
- Western Connecticut* – MAYO SCHRIEBER, '54
Box 333, R.F.D. #1, Litchfield, Connecticut

The Faculty

ALBERT CHARLES JACOBS

President

B.A. 1921 (Michigan), B.A. 1923, B.C.L. 1924, M.A. 1927 (Oxford), LL.D. (Syracuse, Columbia, Temple, University of Colorado, Colorado College, Wesleyan, Denison, Long Island, Kenyon), D. Can. L. (Berkeley Divinity School), D.P.S. (Denver), D. Hum. (Hartt), D.C.L. (The Divinity School, Philadelphia) [1952]*

ARTHUR HOWARD HUGHES

Vice President, Dean,

Professor of Modern Languages,

Chairman of The Board of the Cesare Barbieri Center for Italian Studies

B.A. 1927, M.A. 1929, Ph.D. 1931 (Johns Hopkins), M.S. 1938, L.H.D. 1946 (Trinity) [1935]

ROBERT MAIER VOGEL

Dean of Graduate Studies,

Director of Summer School

B.A. 1935 (Wabash), M.A. 1940 (Michigan), Ed.D. 1953 (Columbia) [1947]

EMERITI

HAROUTUNE MUGURDICH DADOURIAN

Seabury Professor of Mathematics and Natural Philosophy, Emeritus

Ph.B. 1903, M.A. 1905, Ph.D. 1906 (Yale) [1919, Ret. 1949]

EDWARD LEFFINGWELL TROXELL

Professor of Geology, Emeritus

B.A. 1908, M.A. 1909 (Northwestern), Ph.D. 1914 (Yale) [1919, Ret. 1954]

VERNON KRIEBEL KRIEBEL

Scovill Professor of Chemistry, Emeritus

Ph.B. 1907 (Brown), M.S. 1909, Ph.D. 1913 (McGill) [1920, Ret. 1955]

THURMAN LOS HOOD

Professor of English, Emeritus

B.A. 1908, M.A. 1909, Ph.D. 1924 (Harvard) [1928, Ret. 1959]

PROFESSORS

RAYMOND OOSTING

Professor of Physical Education, Director of Athletics

B.P.E. 1924, M.Ed. 1931 (Springfield) [1924]

CLARENCE EVERETT WATERS

Professor of Music and Organist

Mus.M. 1935 (Trinity) [1932]

† LAWRENCE WILLIAM TOWLE

G. Fox and Company Professor of Economics

B.A. 1924 (Bowdoin), M.A. 1927, Ph.D. 1932 (Harvard) [1942]

MORSE SHEPARD ALLEN

James J. Goodwin Professor of English

B.A. 1912, M.A. 1913 (Wesleyan), M.A. 1913 (Columbia), Ph.D. 1920 (Princeton) [1920]

FRANK WOODBRIDGE CONSTANT

Jarvis Professor of Physics

B.S. 1925 (Princeton), Ph.D. 1928 (Yale) [1946]

JAMES ANASTASIOS NOTOPOULOS

Hobart Professor of Classical Languages

B.A. 1928 (Amherst), B.A. 1930, M.A. 1934 (Oxford) [1936]

* Date in brackets indicates year of original appointment as a full-time member of the Trinity Faculty.

† On leave of absence Trinity Term 1960-61.

- HAROLD LAIRD DORWART** *Seabury Professor of Mathematics and Natural Philosophy*
B.A. 1924 (Washington and Jefferson), Ph.D. 1931 (Yale) [1949]
- LOUIS HASTINGS NAYLOR** *Professor of Modern Languages*
B.A. 1917, M.A. 1922, Ph.D. 1923 (Johns Hopkins) [1923]
- DONALD BROWN ENGLE** *Librarian*
B.A. 1939 (Amherst), B.L.S. 1941 (Columbia), M.A. 1947 (Chicago), M.A. 1959 (Amherst) [1949]
- DANIEL GARRISON BRINTON THOMPSON** *Northam Professor of History and Political Science*
B.A. 1920 (Pennsylvania), B.S. 1923 (Massachusetts Institute of Technology), Ph.D. 1945 (Columbia) [1945]
- JAMES WENDELL BURGER** *J. Pierpont Morgan Professor of Biology*
B.A. 1931 (Haverford), M.A. 1933 (Lehigh), Ph.D. 1936 (Princeton) [1936]
- * **STERLING BISHOP SMITH** *Scoville Professor of Chemistry*
Ph.B. 1920, M.S. 1923 (Yale), Ph.D. 1927 (New York University) [1923]
- † **RANDOLPH WALLACE CHAPMAN** *Professor of Geology*
B.S. 1929 (New Hampshire), M.A. 1932, Ph.D. 1934 (Harvard) [1954]
- BLANCHARD WILLIAM MEANS** *Brownell Professor of Philosophy*
B.A. 1927, Ph.D. 1932 (Yale) [1932]
- JOHN CORWIN EMERSON TAYLOR** *Professor of Fine Arts*
B.A. 1926, M.A. 1940 (Yale) [1941]
- EDMOND LABEAUME CHERBONNIER** *Professor of Religion*
B.A. 1939 (Harvard), B.D. 1947 (Union Theological), B.A. 1948, M.A. 1952 (Cantab.), Ph.D. 1951 (Columbia), D.D. 1959 (Vermont) [1955]
- DANIEL EDWARD JESSEE** *Professor of Physical Education*
B.A. 1926 (Pacific), M.A. 1931 (Columbia) [1932]
- GEORGE BRINTON COOPER** *Professor of History*
B.A. 1938 (Swarthmore), M.A. 1942, Ph.D. 1948 (Yale) [1941]
- ROBERT HENDERSON SMELLIE, JR.** *Professor of Chemistry*
B.S. 1942, M.S. 1944 (Trinity), Ph.D. 1951 (Columbia) [1943]
- FREDERICK LANDIS GWYNN** *Professor of English*
B.A. 1937 (Bowdoin), M.A. 1938, Ph.D. 1942 (Harvard) [1958]
- WALTER JOHN KLIMCZAK** *Professor of Mathematics*
B.S. 1937, M.A. 1939, Ph.D. 1948 (Yale) [1951]
- MAURICE CURTIS LANGHORNE** *Professor of Psychology*
B.A. 1925, M.A. 1926 (Washington and Lee), Ph.D. 1932 (Ohio State) [1959]
- EDWIN PACKARD NYE** *Professor of Engineering*
B.S. 1941 (New Hampshire), Sc.M. 1947 (Harvard) [1959]
- RICHARD BARTLETT OLNEY** *Professor of Air Science*
Lieutenant Colonel, United States Air Force, B.S. 1940 (Citadel) [1959]
- JOHN BARD McNULTY** *Professor of English*
B.S. 1938 (Trinity), M.A. 1939 (Columbia), Ph.D. 1944 (Yale) [1944]

* On leave of absence Christmas Term 1960-61.

† On leave of absence 1960-61.

ASSOCIATE PROFESSORS

- GUSTAVE WILLIAM ANDRIAN *Associate Professor of Romance Languages*
B.A. 1940 (Trinity), Ph.D. 1946 (Johns Hopkins) [1946]
- DONALD LAYTON HERDMAN *Associate Professor of Education*
B.A. 1942 (Oberlin), M.A. 1947, Ph.D. 1950 (Yale) [1950]
- ROBERT PALMER WATERMAN *Associate Professor of Romance Languages*
B.A. 1932, M.A. 1934 (Trinity), Ph.D. 1948 (Yale) [1936]
- WENDELL EVERETT KRAFT *Assistant to the President,
Associate Professor of Engineering*
B.S. 1924 (United States Naval Academy), M.S. 1929 (Massachusetts Institute of Technology) [1954]
- EUGENE WOOD DAVIS *Associate Professor of History*
B.A. 1940 (Texas), M.A. 1941 (Harvard), Ph.D. 1948 (North Carolina) [1948]
- KARL KURTH, JR. *Associate Professor of Physical Education*
B.S. 1942, M.Ed. 1947 (Springfield) [1952]
- KENNETH WALTER CAMERON *Associate Professor of English*
B.A. 1930, M.A. 1931 (West Virginia), S.T.B. 1935 (General Theological), Ph.D. 1940 (Yale) [1946]
- RALPH MEHLIN WILLIAMS *Associate Professor of English*
B.A. 1933 (Amherst), Ph.D. 1938 (Yale) [1946]
- ROBERT CLIFFORD BLACK, III *Associate Professor of History*
B.A. 1937 (Williams), M.A. 1947 (Denver), Ph.D. 1951 (Columbia) [1950]
- NORTON DOWNS *Associate Professor of History*
B.A. 1940, M.A. 1947, Ph.D. 1950 (Pennsylvania) [1950]
- ROBERT FREEMAN KINGSBURY *Associate Professor of Physics*
B.S. 1934 (Bowdoin), M.S. 1939 (Cornell), Ph.D. 1956 (Pennsylvania) [1950]
- * RICHARD KNOWLES MORRIS *Associate Professor of Education*
B.A. 1940 (Trinity), M.A. 1949, Ph.D. 1951 (Yale) [1951]
- RICHARD SCHEUCH *Associate Professor of Economics*
B.A. 1942, M.A. 1948, Ph.D. 1952 (Princeton) [1950]
- * WALTER DAVID LEAVITT *Associate Professor of Romance Languages*
B.A. 1947 (Bates), M.A. 1949, Ph.D. 1954 (Yale) [1949]
- VERNON LEROY FERWERDA *Associate Professor of Government*
B.A. 1940, M.S. 1941 (Massachusetts), Ph.D. 1954 (Harvard) [1954]
- THEODORE ROBERT BLAKESLEE, II *Associate Professor of Engineering*
B.S. 1945 (Massachusetts Institute of Technology), M.S. 1952 (Lehigh) [1958]
- WILLIAM HOWARD MEE *Associate Professor of Air Science*
Major, United States Air Force [1958]
- MITCHEL NICHOLAS PAPPAS *Associate Professor of Fine Arts*
B.F.A. 1941, M.F.A. 1947 (Yale) [1947]
- RANDALL WILLIAM TUCKER *Associate Professor of Economics*
B.A. 1939 (Northeastern), M.B.A. 1942 (Chicago) [1946]
- ALBERT MERRIMAN *Associate Professor of Classical Languages*
B.A. 1933, M.A. 1937 (Harvard) [1948]
- AUGUST EDWARD SAPEGA *Associate Professor of Engineering*
B.S. 1946, M.S. 1951 (Columbia) [1951]
- * On leave of absence Christmas Term 1960-61.

- JAMES MORRILL VAN STONE *Associate Professor of Biology*
B.A. 1949 (Wesleyan), Ph.D. 1954 (Princeton) [1954]
- JOHN ARTHUR DANDO *Associate Professor of English*
B.A. 1938, M.A. 1945 (McGill) [1950]
- CLARENCE HOWARD BARBER *Associate Professor of Music*
B.A. 1940, M.A. 1942, Ph.D. 1954 (Harvard) [1954]
- MICHAEL RICHARD CAMPO *Associate Professor of Romance Languages,
Director of The Cesare Barbieri Center for Italian Studies*
B.A. 1948 (Trinity), M.A. 1953, Ph.D. 1954 (Johns Hopkins) [1952]
- WINFIELD SCOTT WORRALL *Associate Professor of Chemistry*
B.S. 1942 (Haverford), M.A. 1947, Ph.D. 1949 (Harvard) [1954]
- ROBERT LINDSAY *Associate Professor of Physics*
Sc.B. 1947 (Brown), M.A. 1949, Ph.D. 1951 (Rice) [1956]
- JOHN FRANCIS LAMAR *Associate Professor of Air Science*
Major, United States Air Force, B.S. 1958 (Florida Southern) [1959]
- MORTON ROYAL TRACY *Associate Professor of Air Science*
Major, United States Air Force [1959]
- ROBERT CLARENCE STEWART *Associate Professor of Mathematics*
B.A. 1942, M.A. 1944 (Washington and Jefferson), M.A. 1948 (Yale) [1950]
- GEORGE EMORY NICHOLS, III *Associate Professor of Drama*
B.A. 1938, M.F.A. 1941 (Yale) [1950]
- OSBORNE WILSON LACY *Dean of Students,
Associate Professor of Psychology*
B.A. 1947 (Hampden-Sydney), A.M. 1951, Ph.D. 1955 (Pennsylvania) [1955]
- PHILIP CHARLES FARWELL BANKWITZ *Associate Professor of History*
B.A. 1947, M.A. 1948, Ph.D. 1952 (Harvard) [1954]
- EMMET FINLAY WHITTLESEY *Associate Professor of Mathematics*
A.B. 1948, M.A. 1955, Ph.D. 1957 (Princeton) [1954]
- EDWARD BOBKO *Associate Professor of Chemistry*
B.S. 1949 (Western Reserve), Ph.D. 1952 (Northwestern) [1955]
- † ROBERT DALE MEADE *Associate Professor of Psychology*
B.A. 1950 (Indiana University), A.M. 1952, Ph.D. 1956 (Pennsylvania) [1955]
- STEPHEN PETER HOFFMAN, JR. *Associate Professor of Mathematics*
B.A. 1949, M.A. 1951, Ph.D. 1957 (Yale) [1957]
- THEODOR MARCUS MAUCH *Associate Professor of Religion*
A.B. 1943 (Elmhurst), B.D. 1946, S.T.M. 1947, Th.D. 1958 (Union Theological)
[1957]

ASSISTANT PROFESSORS

- DANIEL BOND RISDON *Assistant Professor of English*
B.A. 1930 (Amherst), M.A. 1938 (Trinity), M.A. 1947 (Yale) [1936]
- VICTOR GILPIN *Assistant Professor of Chemistry*
B.A. 1938, M.A. 1940 (Western Ontario), Ph.D. 1944 (McGill) [1953]
- ROY ALFRED DATH *Assistant Professor of Physical Education*
B.S. 1951 (West Chester State Teachers), M.A. 1956 (Trinity) [1952]

† On leave of absence 1960-61.

- CARL VICTOR HANSEN *Assistant Professor of German*
B.A. 1941, M.A. 1948, Ph.D. 1952 (Yale) [1956]
- RICHARD PAUL BENTON *Assistant Professor of English*
B.S. 1952, M.A. 1953, Ph.D. 1955 (Johns Hopkins) [1955]
- JAMES LAIN POTTER *Assistant Professor of English*
B.A. 1944, M.A. 1946 (Wesleyan), Ph.D. 1954 (Harvard) [1955]
- WILLIAM LATIMER TROUSDALE *Assistant Professor of Physics*
B.S. 1950 (Trinity), Ph.D. 1956 (Rutgers) [1955]
- LEROY DUNN *Assistant Professor of Economics*
B.Sc. 1949 (American University), Ph.D. 1956 (London) [1957]
- GLENN WEAVER *Assistant Professor of History*
A.B. 1941 (Catawba), B.D. 1944 (Lancaster Seminary), M.A. 1947 (Lehigh),
A.M. 1951, Ph.D. 1953 (Yale) [1957]
- CHARLES JAY MCWILLIAMS *Assistant Professor of Physical Education*
B.S. 1937 (Pennsylvania State), M.P.E. 1947 (Springfield) [1957]
- CHARLES WILLIAM WELBY *Assistant Professor of Geology*
B.S. 1948, M.S. 1949 (University of California), Ph.D. 1952 (Massachusetts Institute of Technology) [1958]
- ROBERT DENNIS SLAUGHTER *Assistant Professor of Physical Education*
B.S. 1948, M.S.Ed. 1952 (Springfield) [1951]
- REX CHARLTON NEAVERSON *Assistant Professor of Government*
B.A. 1952, M.A. 1954, Ph.D. 1959 (Harvard) [1955]
- JUAN ESTARELLAS *Assistant Professor of Education*
B.A. 1941 (Institute Nacional Ibiza), Ed.M. 1945 (Escuela Magisterio de Baleares), Ph.D. 1948 (Madrid), M.A. 1953 (Trinity), Ed.D. 1956 (Harvard) [1956]
- JOHN FREDERICK WILD *Assistant Professor of Physics*
B.S. 1950, M.S. 1951, Ph.D. 1958 (Yale) [1957]
- PHILIP KINTNER *Assistant Professor of History*
B.A. 1950 (Wooster), M.A. 1952, Ph.D. 1958 (Yale) [1954]
- MARIO JOSEPH POLIFERNO *Assistant Professor of Mathematics*
B.A. 1952, M.A. 1954, Ph.D. 1958 (Yale) [1958]
- ROBERT ALDEN BATTIS *Assistant Professor of Economics*
George M. Ferris Lecturer in Corporation Finance and Investments
B.S.B.A. 1948 (Rutgers), M.A. 1952, Ph.D. 1958 (New York) [1959]
- STEPHEN MINOT *Visiting Assistant Professor of English*
B.A. 1953 (Harvard), M.A. 1955 (Johns Hopkins) [1959]
- MYRON GEORGE ANDERSON *Assistant Professor of Philosophy*
B.A. 1951, M.A. 1954 (Minnesota), Ph.D. 1959 (Brown) [1956]
- CHESTER HERMAN MCPHEE *Assistant Professor of Physical Education*
B.A. 1951 (Oberlin), M.A. 1957 (Ohio State) [1957]
- ROBERT ELLIS SHULTS *Assistant Professor of Physical Education*
A.B. 1951 (Oberlin), M.E. 1957 (Bowling Green) [1957]
- FREDERICK MAYNARD STOUTLAND *Assistant Professor of Philosophy*
B.A. 1954 (St. Olaf's), Ph.D. 1959 (Yale) [1958]
- ALVIN RICHARD REINHART *Assistant Professor of Engineering*
B.S. 1930 (University of New Hampshire) [1958]
- AUSTIN CLAUD HERSCHBERGER *Assistant Professor of Psychology*
B.S. 1948 (Columbia), M.S. 1950, Ph.D. 1955 (University of Illinois) [1960]

THE FACULTY
INSTRUCTORS

15

- * JOSE ANGEL DIAZ *Instructor in Romance Languages*
B.A. 1947 (Puerto Rico), M.F.A. 1952 (Yale) [1956]
- CHARLES BENNER FERGUSON *Instructor in Fine Arts*
B.A. 1941 (Williams), M.A. 1959 (Trinity) [1959]
- ALBERT LODEWIJK GASTMANN *Instructor in Modern Languages*
B.A. 1949, M.A. 1953 (Columbia) [1954]
- RICHARD WARREN BERRY *Instructor in Geology*
B.S.E.M. 1955 (Lafayette), M.A. 1957, Ph.D. 1959 (Washington University) [1959]
- JULIEN LEVERNE CAGLE *Instructor in Biology*
B.A. 1948 (Birmingham-Southern), M.S. 1950 (Tennessee) [1959]
- ALAN CASSELS *Instructor in History*
B.A. 1952, M.A. 1956 (Oxford) [1959]
- WILLIAM ALEXANDER JOHNSON *Instructor in Religion*
B.A. 1953 (Queens), B.D. 1956 (Drew), Teol. Kand. 1957 (Lund), Teol. Lic. 1958 (Lund), M.A. 1958 (Columbia), Ph.D. 1959 (Columbia-Union) [1959]
- NATHANIEL STONE PRESTON *Instructor in Government*
B.A. 1950 (Boston University), M.A. 1951 (Pennsylvania), Ph.D. 1960 (Princeton) [1959]
- PAUL JAMES SMITH, JR. *Instructor in English*
B.A. 1950, M.A. 1951 (Rochester) [1959]
- RAYMOND FLETCHER SNIPES *Instructor in Chemistry*
B.S. 1956 (North Carolina), M.S. 1957 (Yale) [1959]
- WARD SCHENK CURRAN *Instructor in Economics*
B.A. 1957 (Trinity), M.A. 1958 (Columbia) [1960]
- HOWARD DE LONG *Instructor in Philosophy*
B.A. 1957 (Williams) [1960]
- WILLIAM DANIEL DONAHOO *Instructor in Education*
B.A. 1949 (Western Maryland), M.A. 1959 (Johns Hopkins) [1960]
- ARNOLD LEWIS KERSON *Instructor in Spanish*
B.A. 1953 (Yale) [1960]
- NORMAN RICHARDSON LONG *Instructor in Romance Languages*
B.A. 1948 (Wesleyan), M.A. 1955 (Northwestern) [1960]
- RICHARD EDWARD NOLAN *Instructor in Psychology*
B.A. 1952 (Brown), M.A. 1956 (Columbia), M.A. 1958 (University of Connecticut) [1960]
- LAWRENCE ROBERT STIRES, JR. *Instructor in Modern Languages*
A.B. 1952 (Rutgers), M.A. 1957 (Duke) [1960]

LECTURERS

- HANS FRIEDRICH FRESE *Lecturer in German*
B.S. 1933, M.A. 1935 (New York University), Ph.D. 1937 (Marburg) [1951]
- GOODWIN BATTERSON BEACH *Lecturer in Latin*
B.A. 1907 (Harvard), M.A. 1931 (Trinity), Litt.D. 1953 (Leeds) [1954]

* On leave of absence 1960-61.

JOHN FRANCIS REGAN

Major, United States Air Force Reserve, B.S. 1940 (Springfield), M.A. 1951 (New Haven Teachers) [1956]

Lecturer in Air Science

MARJORIE VAN EENAM BUTCHER

B.A. 1947, M.A. 1949 (Michigan) [1956]

Lecturer in Mathematics

PAUL WALTER MEYER

B.A. 1923 (University of Denver) [1960]

Lecturer in Government

ASSISTANTS

CHARLES BERNARD KENNY

Staff Sergeant, United States Air Force [1956]

Assistant in Air Science

DAVID WILLIAM FICHMAN

Technical Sergeant, United States Air Force [1958]

Assistant in Air Science

FREDERICK JAMES WEBB

Technical Sergeant, United States Air Force [1960]

Assistant in Air Science

ROBERT STANLEY KIRK

B.S. 1960 (Trinity) [1959]

Assistant in Chemistry

ROBERT GEORGE RIDDELL

B.S. 1959 (Trinity) [1959]

Assistant in Chemistry

ERIC GUSTAVE SHALER RUNDBERG, JR.

B.A. 1960 (Dartmouth) [1960]

Assistant in Chemistry

BURTON TIFFANY

B.S. 1960 (Trinity) [1960]

Assistant in Chemistry

RICHARD ERVING MACHOL

B.S. 1960 (Trinity) [1960]

Assistant in Engineering

ROBB NICHOLS RUSSELL

B.S. 1960 (Trinity) [1960]

Assistant in Engineering

STANDING COMMITTEES OF THE FACULTY

ADMINISTRATION — The Dean*, Dean of Students*, Registrar*, Chaplain*, Director of Admissions*, Olney (1), Means (1), Langhorne (1), Mauch (1), Bankwitz (1), Bobko (1), Kingsbury (2), Dath (2), Leavitt (2).

ADMISSIONS — The Dean*, Dean of Students*, Registrar*, Director of Admissions*, R. Williams (1), Smellie (1), Poliferno (1), Tucker (2), Preston (2).

ATHLETIC ADVISORY COUNCIL — The President*, Treasurer*, Director of Physical Education*, Alumni: J. Bonee, F. Tansill, N. Shepard; Faculty: Notopoulos (1); and 3 Students.

CATALOGUE — Secretary of the Faculty*, Director of Public Relations*, Director of Admissions*, McNulty (1), P. Smith (2).

COMMITTEE ON COMMITTEES — S. Smith (1), Hansen (2).

CURRICULUM — The Dean*, Dean of Graduate Studies*, Constant (1), Gwynn (1), Merriman (1), Waterman (1), Sapega (2), Cherbonnier (2), Stoutland (2), Scheuch (2), Thompson (3), Hoffman (3), Ferwerda (3).

GRADUATE STUDIES — Dean of Graduate Studies*, Campo (1), Davis (1), Nye (1), Worrall (1), Herdman (2), Klimczak (2), Lindsay (2), Neaverson (2), Battis (3), Potter (3).

JOINT COMMITTEE ON APPOINTMENTS AND PROMOTIONS — The President*, Dean*, Trustees: L. B. Brainerd, A. H. Moses; Faculty: Cooper (1), Burger (2).

* Ex officio

JOINT COMMITTEE ON EDUCATIONAL POLICY — The President*, Dean*, Trustees: N. C. Brainard, K. W. Hallden, R. B. O'Connor, J. R. Reitemeyer, J. P. Webster; Faculty: Black (1), Dorwart (2), Davis (3).

LECTURES — Director of Public Relations*, Welby (1), Risdon (1), Dunn (1), Trousdale (1), Stewart (1), Dando (2), Anderson (2), Ferguson (2), Johnson (2), Andrian (2), Downs (2), Cassels (2).

LIBRARY — Librarian*, Esterellas (1), Blakeslee (1), Wild (1), Naylor (2), Weaver (2), Cameron (2), Morris (2), Van Stone (2), Neaverson (2), Benton (2), Snipes (2), Whittlesey (2).

FINANCIAL AID — The Dean*, Dean of Students*, Registrar*, Chaplain*, Director of Admissions*, Director of Placement*, Chapman (1), Pappas (1), Kintner (1), Gastmann (2), Cagle (2).

STUDENT ORGANIZATIONS — The Dean*, Dean of Students*, Chaplain*, Treasurer*, Director of Student Center*, Barber (1), E. Williams (1), Taylor (1), Kurth (1), Nichols (2), Gilpin (2), Berry (2).

COLLEGE MARSHAL — Dando

MACE BEARER — Kraft

SECRETARY OF THE FACULTY — Towle

ORATOR — Notopoulos

ASSISTANT MARSHAL — Nichols

ACADEMIC CEREMONIES — The Dean*, Chaplain*, Alumni Secretary*, Kraft, Dando, Nichols.

DEVELOPMENT COMMITTEE — Vogel (Chairman), Engley, Downs, Bobko, Cherbonnier.

COMMITTEE ON THE USE OF ENGLISH — Williams (Chairman), The Dean*, Burger, Taylor, Thompson, Towle.

FRESHMAN-SOPHOMORE ADVISORY COUNCIL — Langhorne (Chairman), The Dean of Students*, G. F. Bridge*, J. Butler*, T. Smith*, Battis, Benton, Berry, Black, Bobko, Cagle, Campo, Dando, Downs, Ferguson, Gastmann, Johnson, Kingsbury, Kintner, Kraft, Mauch, Merriman, Minot, Neaverson, Nichols, Oahn, Poliferno, Potter, Preston, Reinhart, Risdon, Stewart, Stoutland, Trousdale, Welby, Whittlesey, Wild, R. Williams, Worrall.

LANGUAGE COMMITTEE — Naylor, Notopoulos, Hansen.

* Ex officio

The President is a member *ex officio* of all committees.

The Administration

ALBERT CHARLES JACOBS, LL.D.

President

EXECUTIVE OFFICE OF THE PRESIDENT

ALBERT EDWARD HOLLAND, M.A.	<i>Vice President</i>
JOHN FRANCIS BUTLER, B.S.	<i>Director of Placement, Admissions Counselor</i>
JOHN ANDREW MASON, B.A.	<i>Associate Director of Development</i>
WENDELL EVERETT KRAFT, M.S.	<i>Assistant to the President</i>
KENNETH COOLIDGE PARKER, M.A.	<i>Director of Public Relations</i>
FRANCIS GARDINER F. BRIDGE, A.B.	<i>Director of Admissions</i>
WILLIAM HOWIE MUIR, II, B.A.	<i>Associate Director of Admissions</i>
JAMES RAND BRAINERD, B.A.	<i>Alumni Secretary</i>
JACOB WARDELL EDWARDS, B.A.	<i>Assistant Director of Admissions</i>
ROBERT MALCOLM SALTER, M.S.	<i>Assistant Director of Public Relations</i>

ACADEMIC

ARTHUR HOWARD HUGHES, PH.D.	<i>Vice President and Dean</i>
ROBERT MAIER VOGEL, ED.D.	<i>Dean of Graduate Studies</i>
OSBORNE WILSON LACY, PH.D.	<i>Dean of Students</i>
THOMAS ALOYSIUS SMITH, M.A.	<i>Registrar, Assistant to the Dean of the College, Veterans Counselor</i>
FRANCIS LUDWIG LUNDBORG, M.D.	<i>Medical Director</i>
JAMES MOULTON THOMAS, A.B., B.D.	<i>Chaplain</i>
* NATHANIEL STONE PRESTON, PH.D.	<i>Special Assistant to the Dean of Graduate Studies</i>
LEONARD RAYMOND TOMAT, M.A.	<i>Director, Mather Student Center</i>

BUSINESS

JAMES KENNETH ROBERTSON, M.B.A.	<i>Treasurer and Comptroller</i>
DEAN HEWES KELSEY, A.B.	<i>Associate Comptroller</i>
JOSEPH THOMAS SCHILLING	<i>Assistant Comptroller</i>
HAROLD WARING MESSER, B.S.	<i>Cashier</i>
NORMAN ATWOOD WALKER, B.S.	<i>Director of Buildings and Grounds</i>
WALTER EDWIN CARLSON	<i>Assistant Director of Buildings and Grounds</i>

LIBRARY

DONALD B. ENGLEY, M.A.	<i>Librarian</i>
MARIAN M. CLARKE (MRS.), B.L.S.	<i>Chief of Readers' Services</i>
EUGEN B. EISENLOHR, B.L.S.	<i>Reference Librarian</i>

* May to September 1960.

LAURA B. SCHATZ (MRS.)	<i>Order Librarian</i>
ELIZABETH N. IVES, B.L.S.	<i>Catalogue Librarian</i>
MARGARET A. WRIGHT, M.S.L.S.	<i>Assistant Catalogue Librarian</i>
ADOLF SEIBEL, M.A.	<i>Serials Librarian</i>
MARION W. CARMICHAEL (MRS.)	<i>Circulation Assistant</i>
ALICE K. HAYNES (MRS.), B.A.	<i>Circulation Assistant</i>
ANNA E. ANGELO	<i>Catalogue Assistant</i>
JANICE E. KORNAS	<i>Secretary</i>
ELIZABETH R. TAYLOR (MRS.), B.A.	<i>Order Assistant</i>
HARRIET POTTER (MRS.), B.A.	<i>Part-time Assistant</i>

WATKINSON LIBRARY

DONALD B. ENGLE, M.A.	<i>Librarian</i>
MARIAN M. CLARKE (MRS.), B.L.S.	<i>Curator</i>

ADMINISTRATIVE STAFF

BARBARA L. M. ADAMS (MRS.)	<i>Buildings and Grounds Office</i>
SANDINA G. ALDERUCCI (MRS.)	<i>Central Services Office</i>
EVELYN M. ANDERSEN, B.S.	<i>Graduate Office</i>
ETHEL J. BEAUMIER	<i>Personnel</i>
ELISABETH BELDEN	<i>President's Office</i>
MARILYN B. BURNHAM	<i>Placement Office</i>
CAROL R. CORVO	<i>President's Office</i>
THERESA C. COSTELLOE (MRS.)	<i>Mather Student Center</i>
KATHLEEN E. CULLINA	<i>Admissions Office</i>
MARY LEE CURRY	<i>Mather Student Center</i>
PRISCILLA A. DAVIS	<i>Faculty Secretary and Veteran's Office</i>
JEAN M. ELLISON	<i>Admissions Office</i>
MARIE J. FLYNN (MRS.)	<i>Treasurer's Office</i>
AGATHA K. GALLO (MRS.)	<i>Development Office</i>
NORMA D. GREER (MRS.)	<i>Treasurer's Office</i>
J. PENN HARGROVE, PH.B.	<i>Manager Trinity College Bookstore</i>
MARION D. HARGROVE (MRS.)	<i>Assistant Manager Trinity College Bookstore</i>
MYRTLE O. HARPER (MRS.)	<i>Treasurer's Office</i>
MARGARET K. HAYNES (MRS.)	<i>Chaplain's Office</i>
PATRICIA A. HERRON	<i>Dean's Office</i>
DORIS E. KINGSBURY (MRS.)	<i>Public Relations Office</i>
EDWARD J. KYRCZ	<i>Treasurer's Office</i>
JOYCE E. LAPORTE	<i>Admissions Office</i>
EVELYN J. MANDZUK	<i>Central Services Office</i>
DORIS MERWIN	<i>Dean's Office</i>
MARY ANN H. MILEWSKI	<i>Treasurer's Office</i>
ELEANOR M. O'BRIEN	<i>Physical Education Office</i>

MARGARET E. OLMSTED, B.A.
 MARJORIE A. RIGNEY (MRS.)
 RUTH C. ROGGE (MRS.)
 PHYLLIS E. ROTHAUER (MRS.)
 STELLA S. RUSTIGAN, B.F.A. (MRS.)
 FRANCES G. SCOTT (MRS.)
 SYLVIA B. SHAW (MRS.)
 AMELIA SILVESTRI (MRS.)
 VICTORIA H. SMITH (MRS.)
 HOLLY STEPHENSON (MRS.)
 JUNE L. THOMAS, B.A. (MRS.)
 LINDA C. USHER
 PATRICIA A. VANNIE (MRS.)
 ROSEMARY G. WERDELIN (MRS.)
 JOHN A. WILLIAMS
 MARGARET R. ZARTARIAN (MRS.)

Development Office
AFROTC Office
Recorder
Alumni Recorder
Treasurer's Office
Treasurer's Office
Admissions Office
Public Relations Office
Dean's Office
Buildings and Grounds Office
Public Relations Office
Alumni Office
Chemistry Department
Central Services Office
Manager Central Services
Central Services Office

A Trinity Education

The aim of a Trinity education is to develop the intellectual and moral life of the individual through the appreciation and discipline of the liberal arts. In the words of President Jacobs, "Trinity is irrevocably committed to the liberal arts tradition; to a personal type of education centered on the uncommon man." This commitment is based on the conviction that only a liberal education can extend that "breadth of vision and depth of spirit" vital to the full flowering of the individual. It not only furnishes him with ideals and an enduring sense of values, but also teaches him that there is more to living than service to self. This awareness, the President has remarked, is one "the world of today so desperately needs."

Trinity sees its primary function to be, not the training of students to make a living as businessmen, industrialists and doctors, as ministers, lawyers and engineers, but the training of students how to live, and to live wisely. At the same time, it also seeks to furnish its students with the requisite foundation that will enable them to work in all fields. Leaders in business, industry, and the professions have increasingly recognized the fundamental value of a liberal education for those who enter their ranks. Such an education provides the knowledge, understanding, and discipline necessary for a specialized career. Trinity graduates thus have the advantage of entering their chosen field as responsible and enlightened citizens.

Many decades of experience at Trinity have indicated that an education in the liberal arts offers the best means of attaining the above aim. For four years a Trinity student lives in an environment conducive to learning and takes a carefully guided selection of liberal arts courses which insure: (1) an acquaintance with the most important fields of human achievement, (2) experience leading to the development of traits and habits which are important for an ordered life, and (3) an opportunity to discover and to prepare broadly for the special field of endeavor in which he will earn his living.

To be most effective such training requires personal guidance by a select faculty who have not only high academic and ethical standards but also a proper appreciation of the worth of the individual and of the importance of personal contact with the student. Trinity's size is restricted so that classes may be kept small and personal relations fostered between the student and the teacher whose main interest is teaching. The faculty and administration are aware of their responsibilities to the youth entrusted to them. Trinity's approximately nine hundred seventy-five students and one hundred teachers meet as an informal group of men dedicated to the common purpose of learning.

President Jacobs has stated in a recent report, "It is our present thinking that Trinity will render the most effective service by remaining at approximately its present size and by strengthening the fundamental training in

the liberal arts which we seek to provide." With classes averaging just over fifteen men, with a curriculum which is subject to constant study for improvement, with a faculty conscious of their high mission, with a religious atmosphere, Trinity is equipped to provide the finest type of liberal education. The high quality of a Trinity education is made possible through many generous gifts of the past and present which built the nine-million dollar plant and provide endowed funds to cover almost half the cost of educating each student.

In the city outside the campus gates, Trinity students are able to benefit from an urban society similar to that in which the vast majority will live after their graduation. Trinity is the only small New England men's college in a metropolitan center. The English-style quadrangle of the main buildings is located on a hill in the southwestern section of Hartford. An eighty-acre campus preserves the advantages of a rural setting and scholarly seclusion. Close at hand, however, are businesses, industrial plants, museums, libraries, the state government, and a progressive city with many opportunities for the enrichment of the student's cultural life. Hartford is about three hours distant from New York and Boston.

As the result of Trinity's many advantages the men who are graduated are well qualified for leadership in their vocations and in their community experience. Of the more than six thousand alumni many have become outstanding businessmen, writers, ministers, and public servants. Approximately one in ten is an educator, a large number in colleges and professional schools. Through the years fifteen alumni have become college presidents. About one in twelve of all physicians and surgeons in Hartford County is a graduate of Trinity's pre-medical course. A number of men have distinguished themselves in science and in engineering, both in research and in industry. Because of her alumni, Trinity's pre-professional programs are highly regarded by graduate schools.

To public service — legislative, judicial, executive, and diplomatic — many contributions have been made. Among these are found at least ten representatives in Congress, eight judges of state courts, and five governors. Trinity is well represented in the law profession and some of her alumni are among the nation's foremost business leaders.

Trinity alumni number approximately two hundred clergy and nine bishops in all faiths.

HISTORY

The history of the founding of Trinity goes back to the first decade of our national constitution and the term of Samuel Seabury, first Bishop in America, who called a convocation of Clergy in 1792 to consider ways and means of founding a second college in Connecticut. It was 30 years later before another meeting of 18 Clergy, called by Bishop Thomas Church Brownell in 1822, was to initiate action successful in breaking the dominance of established Congregationalism over higher education in Connecticut. Students and faculty at Yale in those days were required to subscribe

to the Saybrook platform of religious belief. Citizens of many denominations consequently rallied behind Episcopal leadership in persuading the legislature "that great advantages would accrue to the State, as well as to the general interests of literature and science, by establishing within the State another collegiate institution."

In broadening the concept of higher education the Connecticut Legislature issued a charter for "Washington College" on May 16, 1823, with a provision written by the founders that the ordinances of the college "shall not make the religious tenets of any person a condition of admission to any privilege in the college" — whether as a student or teacher. Thus, at Trinity's foundation, the principle of religious freedom in education was firmly established. And since that time Trinity has been a college for men of all religious faiths and creeds.

The bonds with the Episcopal Church are those of tradition and mutual purpose rather than of law. Trinity has held to the importance of spiritual development within each man's own faith, making no compromise with religious indifference or the error that freedom of religion means that religious values should be avoided in education.

After much discussion, and competition among many Connecticut cities, this forty-first college founded in America was located in Hartford. First instruction was in a private residence on Main Street, but later the College had occupied three brownstone buildings erected "about a mile from the city . . . near a thick forest" at the present site of the State Capitol. One of these buildings was designed by Samuel F. B. Morse, inventor of the telegraph. Its portico is shown in the College seal. The second building was designed by Solomon Willard, architect of the Bunker Hill monument.

Starting with nine men, the College grew steadily and at the present time the enrollment figure stands at approximately 950. On the old campus life was vigorous and regulated. Classes started at five a.m. in summer and six in winter. There was to be, for example, "no playing of musical instruments on Sunday." Fellowship was not lacking, however; the first fraternity was established in 1829. In addition to the classical courses, the first curriculum called for work in political economy, natural philosophy, chemistry, mineralogy, geology, and botany: an emphasis on science and practical studies unusual in that day. Thus, Trinity's curriculum since its inception has required of its undergraduates work in the three great areas of general education: the humanities, the social studies, and the natural sciences.

Very early, too, it won academic distinction. In 1845 it was granted a chapter of Phi Beta Kappa, being the eighth college in the country so honored. This same year was marked by other significant events. Since the original name "Washington College" had been taken by several other institutions, the name was changed to "Trinity" — in emulation of the famous colleges of the same name at Oxford and Cambridge.

The College made an unusual record in those early days under the leadership of two distinguished presidents, Bishop Brownell, the founder,

and Nathaniel Wheaton. One class of 17 men produced a key diplomat who was to be President Lincoln's envoy to France during the Civil War, an archbishop of the Roman Catholic Church, the editor of the New York Post, an outstanding physician who was also author of nine books on American history, health, conduct, and travel, a representative in Congress, and Trinity's famed fourth President, John Williams, Bishop of Connecticut. An Episcopal church historian estimated that by 1850, Trinity supplied a tenth of all the Episcopal clergy in America and a third of those in Connecticut.

When Hartford was made the sole capital of the State, the city selected College Hill as the location for the new State Capitol Building. The old campus was sold to the city in 1872 and with the proceeds the College acquired the present campus, known by the early colonists as Rocky Hill. During the Revolution it was called Gallows Hill, and was the place for public executions. The cliff area, known as the Stone Quarries, was later given to the city with a provision that the land be maintained as Rocky Ridge Park.

Intercollegiate sports were instituted in those days, and Trinity took an influential part in their founding. The College was one of the charter members of the first intercollegiate athletic association, formed in 1875, and of the New England Intercollegiate Athletic Association organized 11 years later. Trinity's major sports rivalries are among the oldest in intercollegiate competition, with baseball starting in 1870, football in 1877, and basketball in 1896.

The years between the move to the present campus and the turn of the century were those of great economic growth for our country. The need for civic and business leadership was reflected in a slowly growing college and in a broadening of the vocational activity of its graduates.

These were years of the full strength of a great classical tradition which has continued strong into Trinity's second century. And in these years, too, came the first of the great investments for the future made in Trinity by four generations of the great Morgan family, Northams, Mathers, Eltons, Goodwins, Woodward, Jarvis, Scovills, and many others.

Science won new emphasis as the century closed with two great laboratory buildings to house them. Trinity's older graduates today remember with affection President Flavel S. Luther, close friend of Theodore Roosevelt, and a host of memorable teachers of the first two decades of the Twentieth Century. Several of the teachers who came to Trinity in the early twenties are today senior members of the Faculty and Emeritus Professors, having participated in the period of the College's greatest growth under the Presidencies of two remarkable men: the Reverend Dr. Remsen B. Ogilby (1920-43) and G. Keith Funston (1945-51).

A rugged individualist, Dr. Ogilby left the imprint of his strong personality on college tradition, students, and the buildings themselves. He doubled the number of major buildings, augmented endowment by 250 per cent, increased the Faculty from 25 to 62 and raised the student body from

167 to 530 during his 23-year term. Perhaps the last of the College's 11 Clergy-Presidents, he insured the dignity of religion on campus for all time in building the beautiful Chapel and making it both symbolically and geographically the center of the campus.

Keith Funston came from World War II service to Trinity with the returning veterans. The student body was increased to 900. When it was found that the personal relationship of teacher and student could be retained in a college of that size, the Trustees decided to maintain that enrollment. To finance the enlarged service and to counteract post-war inflation, President Funston secured increases of resources from eight to 13 million dollars, building dormitories, laboratories, a field house, and a new library, as well as landscaping to beautify the campus. Now President of the New York Stock Exchange, Mr. Funston continues as a Trustee of the College.

Dr. Albert Charles Jacobs, the fourteenth President of the College, combines the qualities of a great teacher with recognized ability as an administrator. He was former Chancellor of the University of Denver, Provost of Columbia University under President Dwight D. Eisenhower, and Professor of Law at Columbia for twenty-two years. He was a Rhodes Scholar and served for three years as a Fellow and Lecturer in Jurisprudence at Oriel College and Lecturer at Brasenose College, Oxford, England, prior to joining the Faculty of Law at Columbia.

As a spokesman for Christian liberal education and an interpreter of the principles of American freedom, he has been widely honored. He takes an active part in the civic life of Hartford and in the diocesan work of the Protestant Episcopal Church. Several times he has been called upon by President Eisenhower to serve the national government.

During his first five years as President of Trinity the College has completed a most successful Program of Progress Campaign for funds, surpassing its \$4,570,000 goal by raising \$4,660,998. This program has made possible, among other things, substantial increases in faculty salaries, an extension to the Hallden Engineering Laboratory, and the Mather Student Center.

THE CAMPUS

When the College undertook to move to the present location, the Trustees chose as architect of the new buildings one of the most distinguished men of his day, William Burges of England. With the stately buildings of Oxford and Cambridge in mind Burges proposed an elaborate plan of closed quadrangles.

Seabury and Jarvis Halls, the first units built in 1878, and the connecting unit, Northam Towers (1881), are constructed of native brownstone quarried from the river banks at Portland. Seabury, Jarvis, and Northam Towers run north and south to form the western side of the quadrangle. In front of these buildings extends Trinity's famous "Long Walk," approximately one-sixth of a mile in length.

Thus Trinity had what Montgomery Schuyler, a noted turn-of-the-cen-

tury architect, called "the most appropriate and attractive architecture for a place of education for English-speaking mankind." Burges was credited with having created at Trinity the first collegiate Gothic in America, one of the most imposing groups of college buildings in this county, even before the great extensions of the 1930's. Their influence on college architecture in this country has been very great. Although Burges' plans for the entire campus were never carried out, all the additional buildings harmonize with his works.

Northam Towers contains dormitory rooms. Many of the college classrooms are in historic *Seabury Hall*, adjoining Northam Towers on the south. The distinctive charm of the Seabury rooms, no two of which are alike, expresses the intimacy for which Trinity is noted. In Seabury also are faculty offices and seminar rooms, the student post office, the bookstore, and a commons lounge. Joining Seabury is *Cook* dormitory (1931) containing the college medical offices, *Cook Lounge*, and *Hamlin Dining Hall* for Faculty and Staff.

Jarvis Hall adjoins Northam Towers to the north and serves as a dormitory. The northern end of the quadrangle is composed of *Williams Memorial* (1914) containing administrative and faculty offices; the *Downes Memorial Clock Tower* (1958) with the trustees' room and administrative offices; and the *College Chapel* (1932), gift of the late William G. Mather, '77.

The *Goodwin* and *Woodward* dormitories (1940), the *Chemistry Laboratory* (1936) and the *College Library* (1952) complete the quadrangle buildings on the south.

Trinity's *Chemistry* building, given by the late Walter P. Murphy, Hon. '33, is still one of the nation's most up-to-date teaching laboratories. In addition to four large laboratories, it includes several lecture and classrooms, research rooms, faculty offices, an auditorium seating 500, and the Riggs Memorial Chemical Library in tribute to Robert E. Riggs, Scovill Professor of Chemistry from 1887 to 1920.

The *Hallden Engineering Laboratory* was given by Karl W. Hallden '09 in 1946, was doubled in size in 1953, and a third gift in 1957 made possible a two-floor addition which has tripled the laboratory space. Built of brick with Indiana Limestone trim, it is located at the south end of the campus. The laboratories are equipped for fundamental courses in drawing, materials, fluid mechanics, and mechanical and electrical engineering.

Jarvis Laboratory (1888) and *Boardman Hall* (1900) stand beyond the quadrangle to the south. *Jarvis Laboratory* was the gift of the late George A. Jarvis, 1855. In this building the Physics Department has two large laboratories for work in the elementary courses and several smaller laboratories adapted to advanced work of special character. One room houses a six-inch cyclotron.

In *Boardman Hall* are to be found the biological laboratories, well equipped with materials for instruction in the undergraduate courses, the geology laboratories, containing numerous specimens of rocks, minerals, and fossils suitable for handling in class work, and the psycho-

logical laboratories constructed and equipped primarily for student work in various fields of testing and experimentation.

The *College Museum of Natural History*, also housed in Boardman Hall, contains collections of geological and zoological material useful in instruction. It is also open for public inspection. The mineral and rock exhibits are extensive and include many rare and unusual forms; especially notable is the Caswell collection of minerals. The Sage and Wood collections of native and migrating birds, on loan from the Wadsworth Atheneum, the Trowbridge Collection of birds' eggs, and a sizable display of mounted birds combine to offer an unusually fine ornithological exhibit. In the division of paleontology the collections of fossil skeletons provide important exhibits depicting the evolution of the horse and the elephant.

Beyond Boardman Hall are to be found *Elton Hall* (1948) and *Jones Hall* (1953) in which are living quarters for 265 men.

Located on Vernon Street to the north of the main quadrangle are *Ogilby Hall* (1941), a modern dormitory, the President's home, faculty residences, and fraternity houses.

Located on Allen Place, beyond Vernon Street to the north, are two apartment houses, *Allen East* and *Allen West*, which have been recently acquired by the College and converted for use as dormitories.

The College athletic facilities include 19 acres of playing fields, the Trowbridge Memorial Swimming Pool (1929), twelve tennis courts, the Memorial Field House (1948), and Alumni Hall gymnasium (1887).

Trinity Field, for varsity competition, includes a football field, a baseball diamond, and a track, which are among the best in small New England colleges. Normal spectator capacity of the field is 7,000. In addition, there is a freshman baseball diamond, a varsity soccer field, two football practice fields, and a half-dozen intramural fields.

The Memorial Field House includes a tenth of a mile track, a removable basketball floor, and 27,225 square feet of space for a baseball infield and many other sports. It will seat 2,500 basketball spectators or, as an auditorium, it has a seating capacity of 2,800.

The Trowbridge Memorial Building, adjoining the Field House, contains a 75 by 30 foot swimming pool, a battery of six squash racquets courts, and locker facilities. The annex connecting the Field House with Trowbridge Memorial includes offices, a laundry, sports rooms, training rooms, and additional locker facilities.

Alumni Hall, located at the north end of the campus, contains locker rooms, a trainer's room, and two intramural basketball floors which are also used for volleyball, badminton, and physical education classes. The gym is equipped with apparatus for boxing, wrestling, fencing, gymnastics, and corrective exercises.

THE LIBRARY. The Library of the College attained distinction at an early date. The first professors pooled their personal collections, and one of their number, Nathaniel Wheaton, was sent to England in 1824 to ob-

tain books and funds for the new institution. By 1952 the Library had grown to a collection of 225,000 volumes. In that year Trinity's book resources reached a size and distinction equalled by few colleges in this country when it was combined with the Watkinson Library, an endowed collection of 130,000 volumes, which until then had been located in downtown Hartford.

Today the library is the focal point of the college. The modern, fireproof structure embodying the latest in library construction, is located at the southeast corner of the quadrangle. It has space for 500,000 volumes and accommodations for 350 readers. Its present resources include approximately 375,000 volumes, giving Trinity one of the largest library collections among colleges of comparable size.

The library facilities are comprised of two principal collections: The College collection, which contains some 240,000 volumes and nearly 100,000 pamphlets, and the Watkinson Library, a distinguished collection of some 130,000 volumes of research materials in the humanities including 200 incunabula. The Trinity library also subscribes to over 500 current periodicals and adds approximately 6,000 books to its shelves each year.

Many works of great value and interest are contained in the Trinity collection including two Greek manuscripts of the twelfth century, several illuminated Latin Books of Hours of the fourteenth and fifteenth centuries, fine examples of books printed before the year 1500, rare mathematical and medical works of the sixteenth, seventeenth, and eighteenth centuries, the engraver's exceptionally fine copy of Audubon's great work, *Birds of America*, and first editions of the works of the most prominent English and American writers.

The wealth of library resources at Trinity makes it possible for students not only to read widely in a variety of subjects but also to carry out considerable personal research. The Hamlin Memorial Reading Room contains the selected volumes for the well-known Trinity Reading Course.

During term time the College Library is open from 8:30 a.m. to 10 p.m. Monday through Friday, from 8:30 a.m. to 5 p.m. on Saturday, and from 2 p.m. to 10 p.m. on Sunday.

The following library collections in the city of Hartford are also available to Trinity students for reference purposes: THE HARTFORD PUBLIC LIBRARY; CONNECTICUT STATE LIBRARY; CONNECTICUT HISTORICAL SOCIETY; CASE MEMORIAL LIBRARY (Hartford Seminary Foundation); HARTFORD BAR LIBRARY ASSOCIATION; UNIVERSITY OF CONNECTICUT SCHOOL OF LAW LIBRARY; HARTFORD MEDICAL SOCIETY LIBRARY; CHARLES D. HINE LIBRARY (Connecticut State Department of Education).

THE CHAPEL. The Trinity campus is dominated by its limestone Chapel, one of America's most beautiful examples of pure Gothic architecture, given by the late William G. Mather, '77, in memory of his mother. The interior of the Chapel is widely known for its woodcarvings done

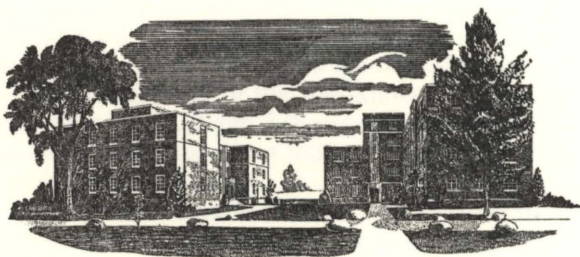
by the late Gregory Wiggins of Pomfret, Connecticut, which represent not only religious scenes but also some of the great American traditions. The stained glass windows by Earl Sanborn are also excellent examples of the craft. Besides the Main Chapel, the building includes the Chapel of the Perfect Friendship in which the flags of the fraternities are displayed, a Crypt Chapel for smaller services, an Aeolian-Skinner organ by G. Donald Harrison and two small organs on which students may practice, the thirty-bell Plumb Memorial carillon, music room, and the Chaplain's offices.

The College Chapel is open to visitors at all times during the day and all regular services are open to the public. The Chapel and its facilities are available to students, alumni, and friends of the College for baptisms, weddings, funerals, and other special services. Arrangements may be made with the Chaplain.

THE MATHER STUDENT CENTER. The Mather Student Center (1960) is the hearthstone for student activity. This attractive addition to the campus is located at the southern end of Hamlin Hall just beyond the main campus quadrangle and contains the student Dining Hall, a large assembly hall, lounges, game and activities rooms, and the Snack Bar. Also located here are offices for the student government organizations, Medusa and Senate; offices for the Tripod and Ivy, student publications; the Trinity College Bookstore; the Post Office; and an Alumni Lounge. Provision is also made for locker-room facilities for non-resident students.

TRINITY COLLEGE
COLLEGE BUILDINGS

Seabury Hall	1878	Chapel	1932
Jarvis Hall (dormitory)	1878	Chemistry Laboratory	1936
Northam Towers (dormitory)	1881	Woodward-Goodwin Dormitory	1940
President's House	1885	Ogilby Hall (dormitory)	1941
Alumni Hall (gymnasium)	1887	Hallden Engineering Laboratory	1946, 1953, 1958
Jarvis Laboratories	1888	Memorial Field House	1948
Boardman Hall of Natural History	1900	Elton Hall (dormitory)	1948
Williams Memorial (administration)	1914	Library	1952
Trowbridge Memorial (pool, squash courts)	1929	Jones Hall	1953
Cook Dormitory	1931	Allen Dormitories, East and West	1958
Albert C. Hamlin Dining Hall	1931	Downes Memorial Clock Tower	1958
		The Student Center	1960



ELTON — NEW DORMITORY QUADRANGLE

Admission To College

CANDIDATES for admission may obtain the necessary application forms by writing to the Office of Admissions, Trinity College, Hartford 6, Connecticut. Each candidate for admission will be advised of the procedure to be followed.

Trinity urges candidates to begin the application procedure by the end of the junior year. The closing date for completing applications is March 1 of the year in which entrance is desired but early applications give more time to complete the admissions procedure.

General Admission Policy

Trinity's charter states that the College shall not make the religious tenets of any person a condition for admission. Similarly race, color, or economic circumstances are not, and never have been, considered in selecting candidates for admission.

Enrollment in the freshman class is limited to approximately 265 men. The numbers applying greatly exceed the number of places available. Consequently, admission to the College is the result of a selective and highly competitive process aimed at securing the best possible candidates and those who will profit most from a Trinity education.

Applicants are judged on three bases: 1. their academic promise and performance; 2. their qualities of character and personality; and 3. their accomplishments within their schools and communities.

The school record, the College Entrance Examination Board Tests, and the personal recommendations from school administrators and teachers are given almost equal weight by the Committee on Admissions. Candidates should be well prepared for Trinity's academic work. They should also be willing and able to take part in one or more of the many campus and community activities which are open to them.

Since Trinity is a national institution, some special consideration is given to geographical distribution in the selection of candidates, providing they meet fully the College's requirements for admission.

Sons of alumni who meet all the admissions requirements are given preference over other candidates of similar qualifications.

All freshman candidates and their schools will be notified of the Committee's decision, usually by May 1.

Early Decision

Well qualified, capable candidates who have selected Trinity as the college of their principal choice, may wish to request an evaluation of their credentials early in the senior year. The purpose of this plan is to avoid the necessity of filing additional applications at other colleges, pro-

viding, of course, the candidates involved are clearly admissible regardless of the competition for any given year. Requests for early decisions will be honored up until December 1.

To receive an early evaluation, the following steps must be taken: 1. File an Early Decision form (provided by the College) which allows for school's approval of candidate's request; 2. Have submitted to the College the scores of the Scholastic Aptitude Test taken in March or May of the Junior year; 3. Submit the transcript form covering the academic record and school recommendations through the junior year; 4. Submit the two teacher's recommendation forms; 5. Submit personal application.

Students accepted on the Early Decision plan should take in the senior year the Scholastic Aptitude Test and the Writing Sample of the College Entrance Examination Board for the purpose of giving up-to-date information to the College. Seventh and eighth semester transcripts covering the candidate's academic work of the senior year will be reviewed as part of the entire admissions process.

Early Decision candidates in need of financial assistance to receive consideration should submit to the College Scholarship Service by November 7 a Parents' Confidential Statement so that a copy of it can reach Trinity before December 1. Announcements of decisions on financial aid and admission will be sent at the same time, before January 1.

Secondary School Requirements

Trinity requires a diploma from an accredited secondary school and certification by this school in the following subjects:

English	Four years
Foreign Language*	Two years
Algebra	Two years
Plane Geometry	One year
History	One year
Laboratory Science	One year

In view of the increasing competition for admission to the College, it is recommended that candidates offer more work in college preparatory courses than is listed above.

College Board Examination Requirements

Applicants for admission to Trinity are required to take two College Entrance Examination Board tests: the Scholastic Aptitude Test and the Writing Sample. It is the candidate's responsibility to request the College

* The Committee on Admissions strongly recommends that candidates continue the study of their foreign language through their final secondary school year so that there will be continuity between the secondary school and college courses in the same language. Also, the committee urges a candidate to develop depth in a single language by studying it three or four years, if possible.

Board to send the scores of the Scholastic Aptitude Test and a copy of the Writing Sample to the Admissions Office.

Trinity College prefers that all candidates take the Scholastic Aptitude Test in December or in January of their senior year, but this test may be taken in February or in March. Candidates for financial aid should take this test in December or in January.

The Writing Sample can be taken only in December or in January.

Although Achievement Tests in specific course subjects are not required, it is strongly recommended that those candidates who take such examinations report the results to the College. Foreign language Achievement Tests will be used for placing entering freshmen in the proper language course. Other such tests may be used for purposes of placement or guidance.

More detailed information about fees, dates, and registration forms for these examinations should be obtained by writing to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey, or Box 27896, Los Angeles 27, California, whichever is nearer the applicant's home.

Interviews

Candidates for admission to the College are always welcome to visit the campus and to have an interview with a member of the admissions staff. The best times for such interviews are during the summer, fall or early winter. During the months of March and April applicants are not usually interviewed because the staff's time must be spent in evaluating applications as it selects the incoming class.

To be assured of an interview candidates are asked to write or telephone for an appointment well in advance of the day they propose to visit the College. The Admissions Office is open for interviews Monday through Friday from 9:30 to 4:30. It is also open Saturdays from 9 a.m. until noon from October 1 through February 15.

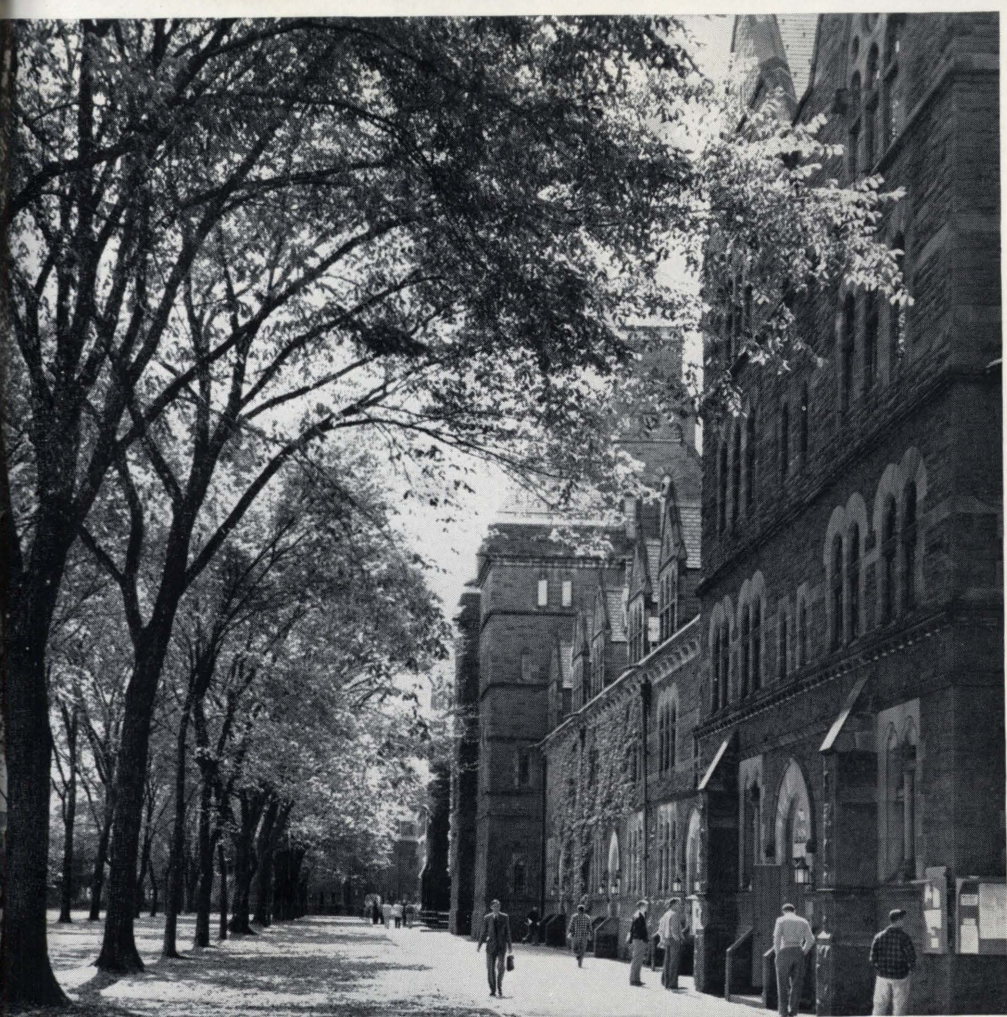
During the year the admissions officers visit many schools throughout the United States in order to meet and talk with prospective applicants about Trinity and its program.

Furthermore, in many areas throughout the country, prospective applicants may be interviewed by members of Trinity's Alumni Interviewing Committee.

Advanced Placement for Freshmen

Trinity's academic departments will consider applications from entering freshmen for advanced placement.

Many secondary school students take college level courses under the Advanced Placement Program of the College Entrance Examination Board. Students who wish to apply for advanced placement under this program are expected to take the Advanced Placement Tests of the College Entrance Examination Board.



The Long Walk in the Quadrangle

A Pictorial Presentation of
TRINITY COLLEGE

With Excerpts from an Address by
ALBERT CHARLES JACOBS
Fourteenth President of the College

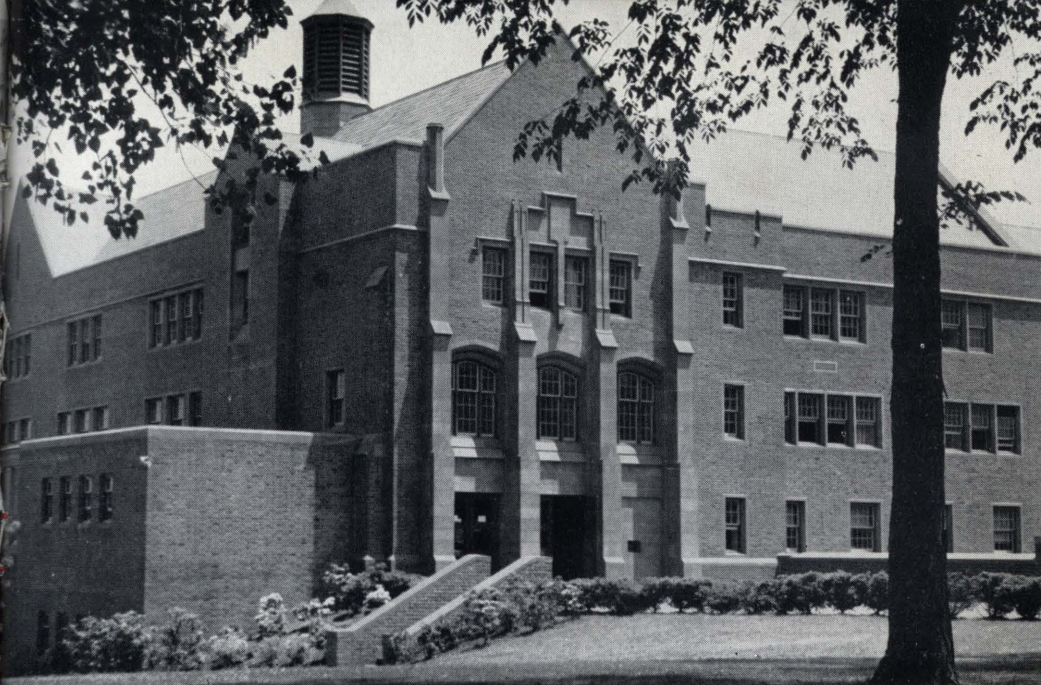


The Downes Memorial Clock Tower, main entrance to the campus, as seen from the quad

a dedicated purpose . . .

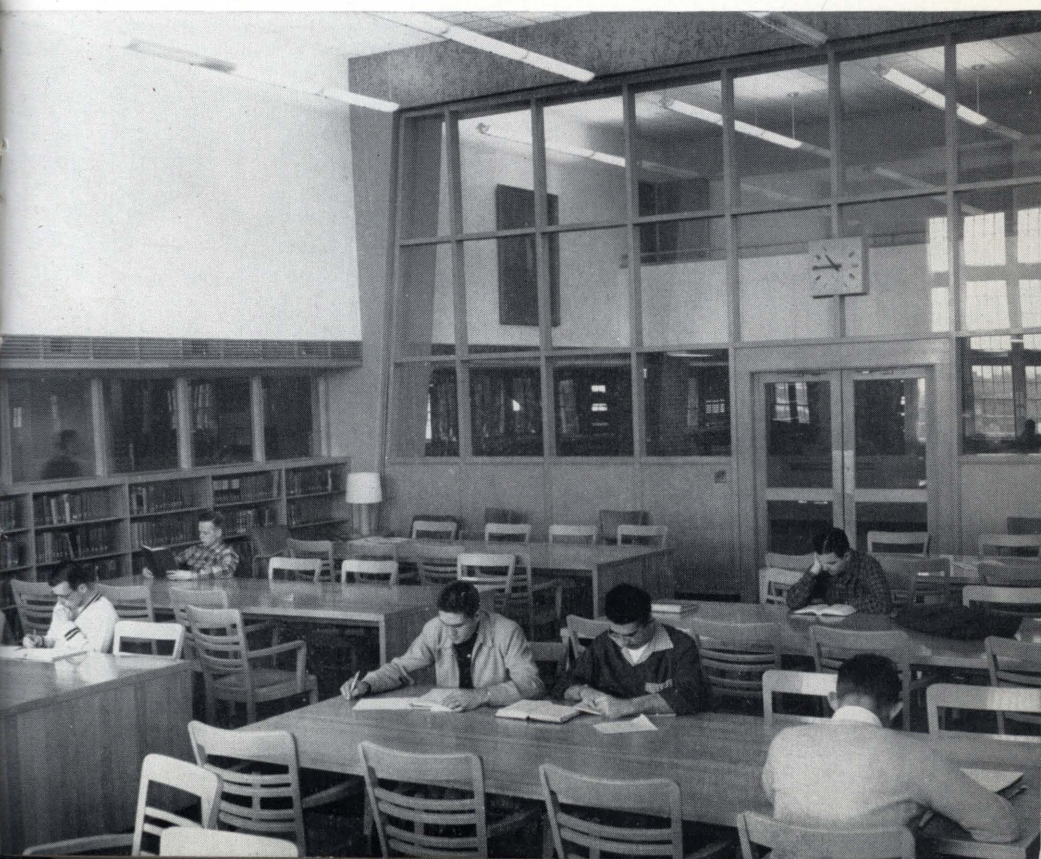
"What is the goal of Trinity College? In our motto lies the answer, *Pro ecclesia et patria*. Here in noble terms is expressed our dedicated purpose—steadfast over the years—a constant devotion to religious values and to the republic of which we are proud. 'The aim of the institution,' according to *Scribner's Monthly* of 1876, 'is to furnish students a complete education and to prepare them for a truly educated manhood.' This means integrity in education—mental, physical, as well as spiritual and moral, strength.

"It is thus the high mission of the college to promote the intellectual, physical, moral, and spiritual development of the young men entrusted to our care so that they may become intelligent, self-reliant, upright, and enlightened citizens and leaders, whose personal lives are happy, fruitful, and meaningful. We aim to train them to be qualified effectively to meet the complex problems of the exciting world in which they will live; to develop character, which is the proper blending of wisdom, integrity, responsibility, and human understanding with spiritual values; to think and to act for themselves, to think as individuals and not as a group; and to make sound judgments. In essence, we want the student to develop as an individual, to attain his full stature as a person created in the image of God.



The Library

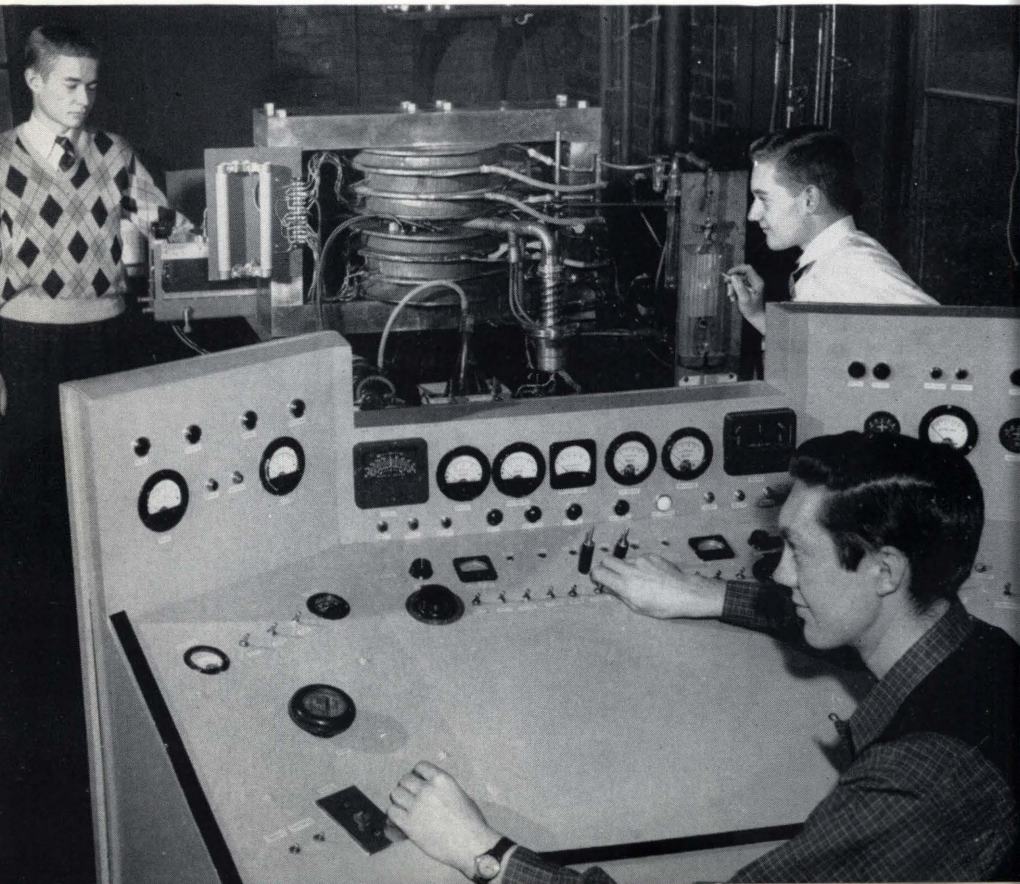
Main Reading Room

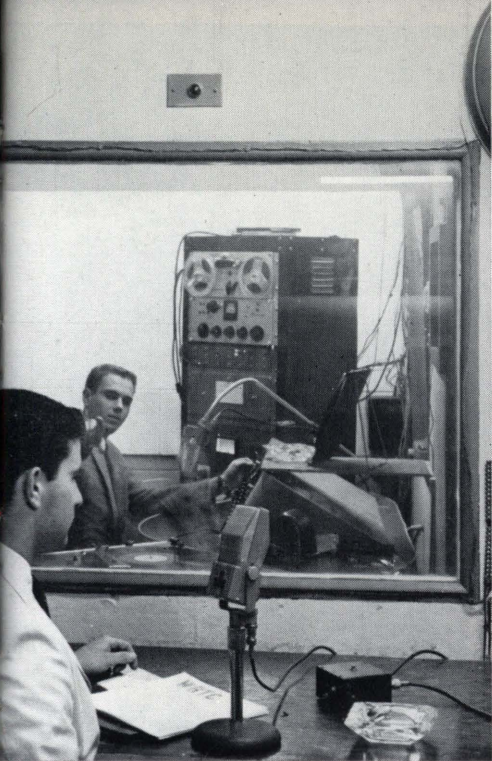




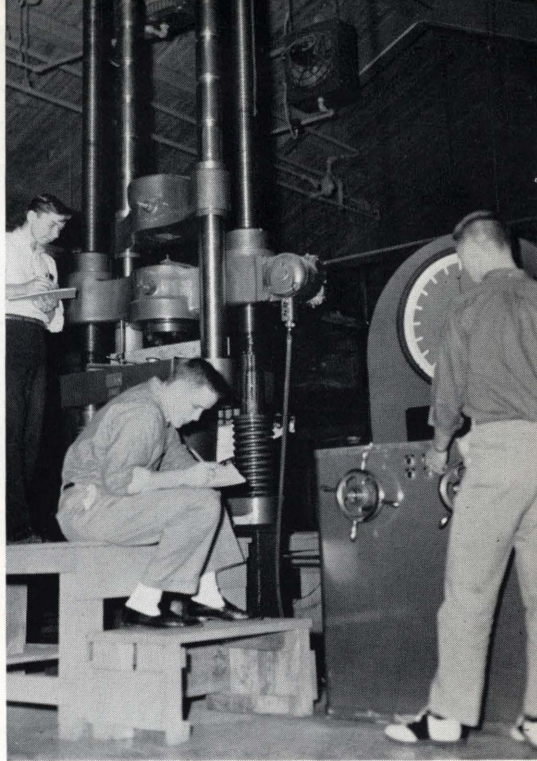
Professor Waterman's French Class

Cyclotron built by students as Physics laboratory project



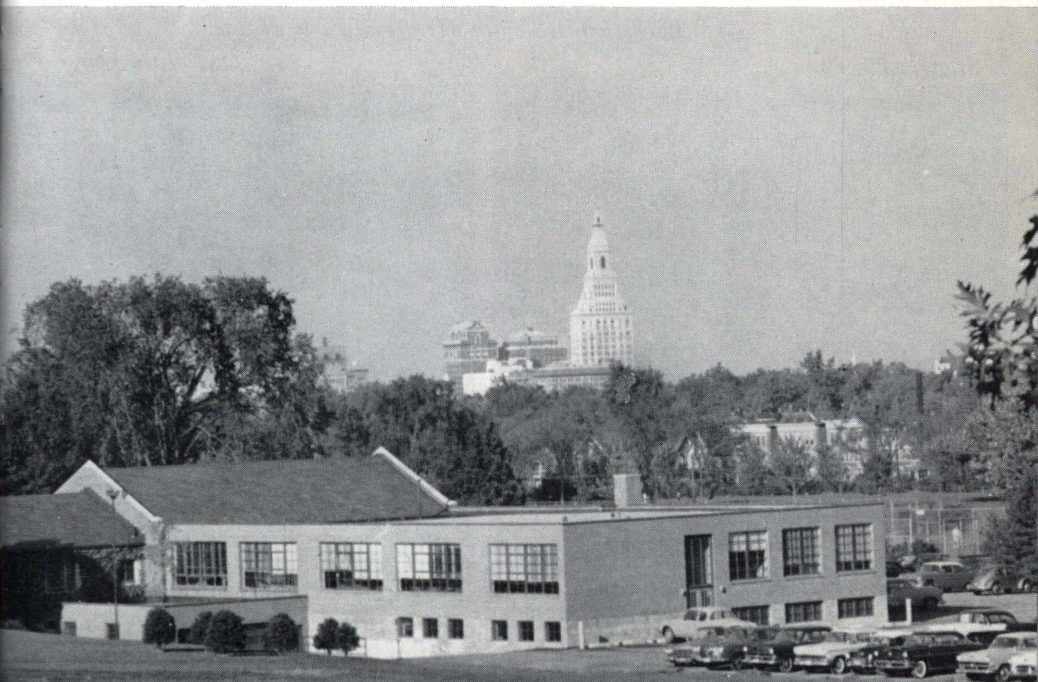


Radio Trinity



Hallden Lab Equipment

Hallden Engineering Laboratory





Junior Adviser's Study

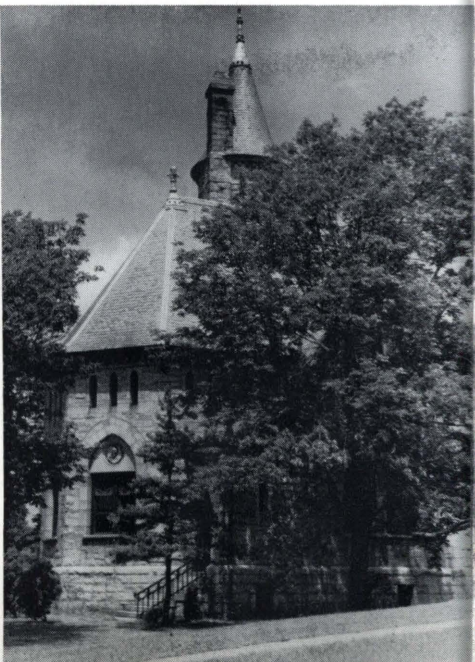


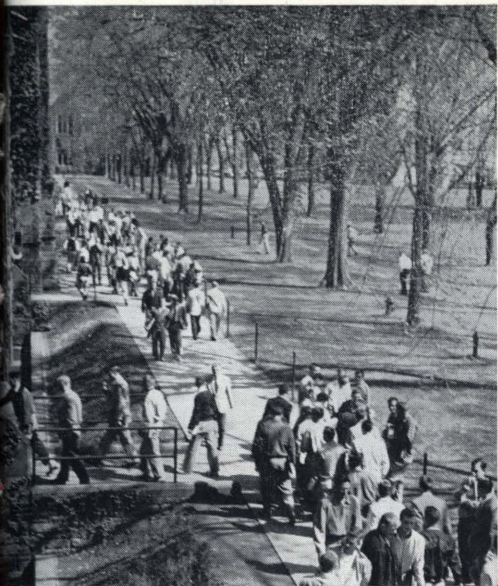
Elton Hall Room

Top: Basketball season in Memorial Field House

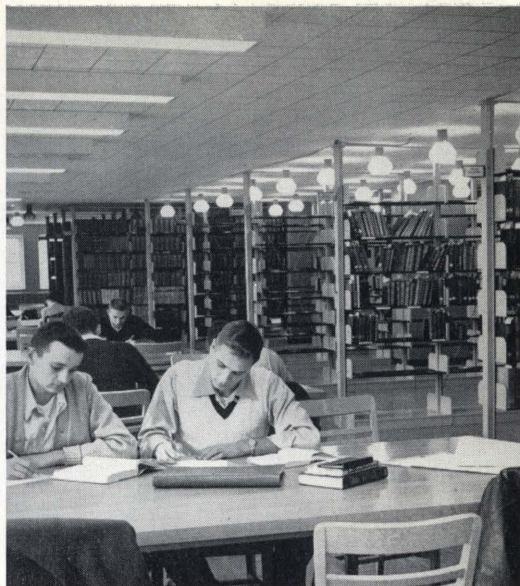
A Student Lounge

One of ten fraternities





Change of Classes

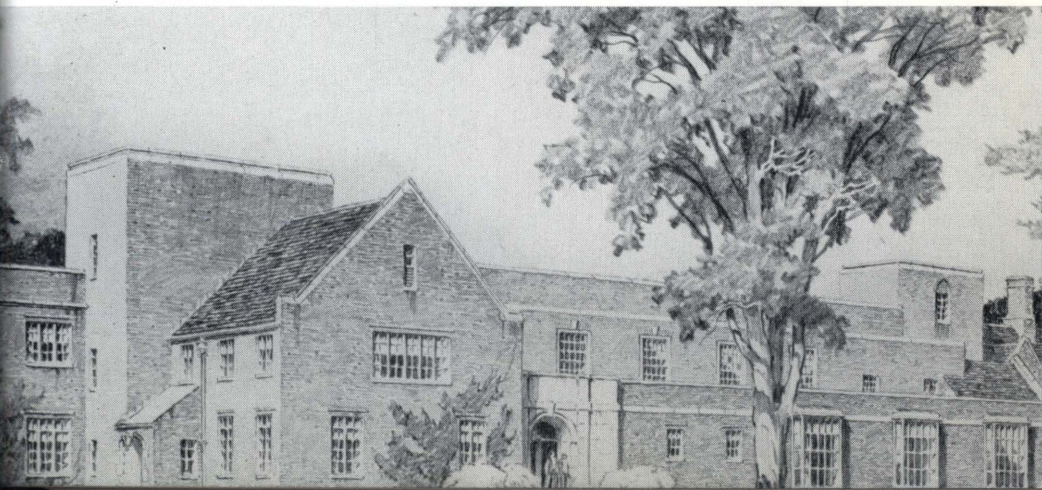


Library Interior

to build an open mind . . .

"The curriculum, subject to constant study for improvement, is sufficiently broad to provide fundamental training in the liberal arts. Through a knowledge of history and economics, philosophy and religion, language and literature, the fine arts, the sciences, the humanities, and the social studies, our curriculum is constructed to build an open mind, schooled to careful thinking, trained in philosophic investigation, familiar with the thought of past generations; 'people who have,' in the words of the Honorable John J. McCloy, 'caught the fire of great thoughts, and great men, who know something of our culture and our history, who can exchange views in tolerance with others, and, above all, who have high ethical standards.'

Student Center

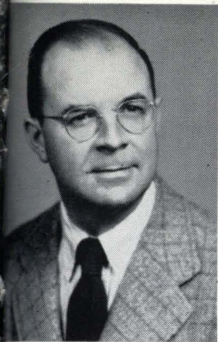




Jones Hall - Elton Hall Quadrangle

Boardman Hall





Lawrence W. Towle
Economics



Blanchard W. Means
Philosophy



J. Wendell Burger
Biology



F. Woodbridge Constantine
Physics

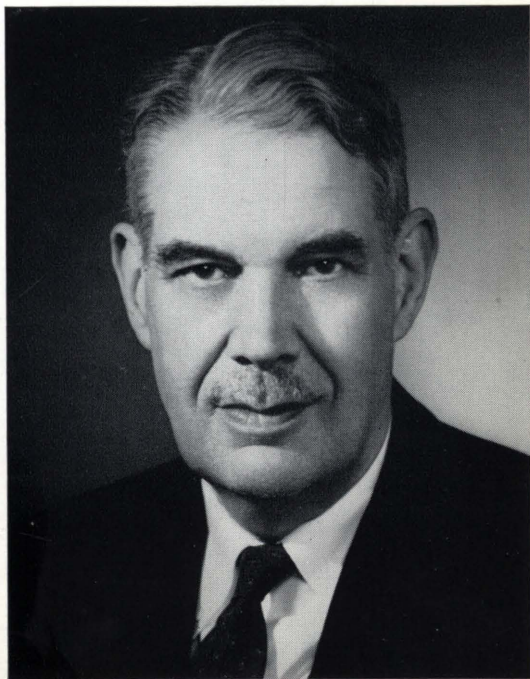
to stimulate thought . . .

"From that day on June 2, 1824, when our first President, Bishop Thomas C. Brownell of hallowed memory, vowed that the college would 'seek the ablest professors,' our faculty have been selected with meticulous care, ever mindful that their primary duty is to stimulate thought and not the parroting of encyclopedic facts.

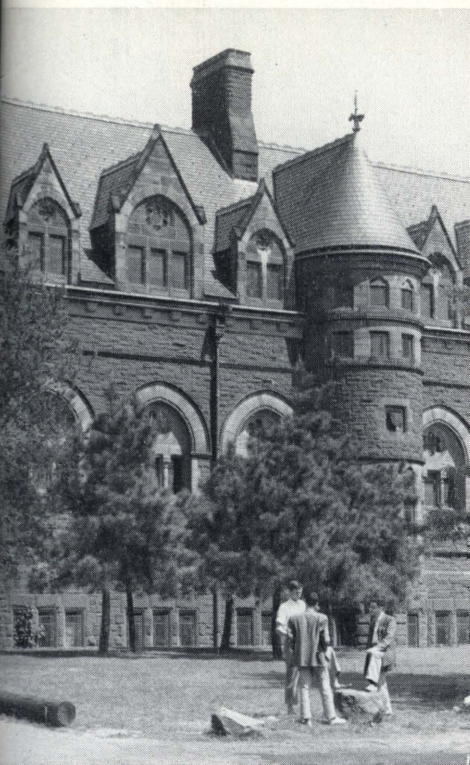
ALBERT CHARLES JACOBS

Albert Charles Jacobs, Rhodes Scholar, Professor of Law at Columbia University for twenty-two years, Provost of Columbia under President Dwight D. Eisenhower, and former Chancellor of the University of Denver, came to Trinity in 1953.

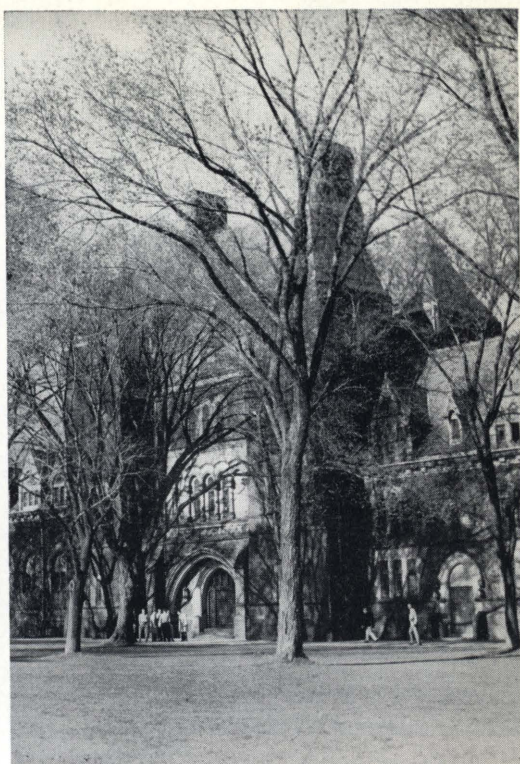
As a spokesman for Christian liberal education and an interpreter of the principles of American freedom, he has been widely honored. He takes an active part in the civic life of Hartford and in the diocesan work of the Protestant Episcopal Church. Several times he has been called upon by President Eisenhower to serve the national government.







Seabury Hall



Northam Towers

Cook Dormitory

After Morning Chapel





The Watkinson Library Reading Room

"pro ecclesia et patria" . . .

"Trinity seeks to gain these objectives through sound education in the liberal arts. Experience has taught that this is the most effective way to train our young men to become useful citizens and leaders, *Pro ecclesia et patria*, capable of thinking for themselves, of doing for themselves in the spirit that built this great nation; and, yes, of developing fully as individuals.

"The curriculum, the faculty, a deep and pervading religious atmosphere, and the students are the tools for successful operation. Each must be sharp and effective.

Professor McNulty's Expository Writing Class



on religious foundations . . .



Chapel Woodcarving

“The college, I am proud to say, is built on firm religious foundations, *Dominus Illuminatio Mea*, believing in the view expressed by President Eisenhower that if we are to be strong we must be strong first in our spiritual convictions, and holding to the truth so well expressed by William Penn when the Colonial Constitution of Pennsylvania was being written: People who are not governed by God will be ruled by tyrants. Yes, this college receives enduring strength and guidance from its traditional bonds with the Episcopal Church. In accordance with our Charter we seek to intensify the ties of each student with his chosen faith.

The Chapel — Choir and Chancel





Jesters' arena-style presentation of Shakespeare's "Hamlet"

the requisite tools . . .

"Trinity possesses, I believe, the requisite tools for the effective execution of our dedicated mission. But is this effective execution of more than academic interest? My answer is yes, unequivocally, yes. I say this because of the world in which we live, because of the enormity of the problems free peoples face, and because of current trends in education. At stake is the dignity and integrity of the individual; whether he or the state is to be supreme, the real center of justice; whether God or Mammon will guide our destiny.

"A wise resolution of these problems, problems that gravely concern our keenest minds, calls for citizens and leaders of wisdom, courage and vision, of understanding, resourcefulness, and faith in God. The ultimate choice will be made not by governmental edict, but by the individual citizen in his day-to-day acts. He occupies a position of compelling consequence, more so than at any time in history. He is the very heart of our ideology, of our way of life. We must see that he has the wisdom, the courage, the self-reliance, the moral and spiritual strength to think for himself and to act for himself, to decide for himself, without dependence on or help from paternalistic government. Never has the world so desperately needed a proper sense of values, a crystal clear perspective. For all of this, sound and thoughtful training in the liberal arts is fundamental.



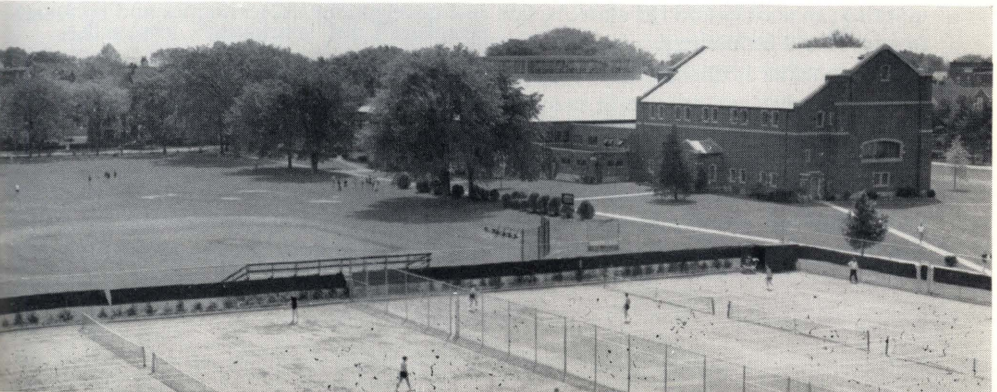
Trowbridge Pool



Varsity Football

"Our student body, national in character and limited in size, is carefully selected without reference to race, color, or creed. It will remain small in number because we believe that the highest academic values can be conveyed only through close personal contact between teacher and student. They cannot be transmitted simply through the radiation of sounds in lecture rooms of assembly hall size!

Tennis Courts, Freshman Diamond, Memorial Field House, Trowbridge Pool





Commencement

of liberal education . . .

"The object of liberal education is man himself, his growth, his maturity, and his rationality, man as an individual. It has as its approach and its substance the study of human problems, the comprehension of ideas and of ethical concepts, a view of relations, and a determination between choices. It seeks to inculcate an interest in the arts and the sciences for their own sake, the finding of values in life other than material, the development of individuality and of self-respect. It is both the approach and the means of approach to basic problems—to religion and morality, to politics and the state, to law and government, to economics and sociology, to science and technology.

"The liberally educated man, although he may be a specialist in one field has a mind that can operate in many fields. He has a balance of perspective between his own specialty and the efforts of all humanity; he has an ethical approach both to that specialty and to that totality. Instruction in the liberal arts provides the knowledge, understanding, and discipline for its acquisition; the perspective, the inquiring mind, and the sense of values to meet effectively the problems of the world and to make the day-to-day decisions on which our way of life depends."

Advanced placement, qualitative credit and quantitative credit will be given for scores of 5, 4, or 3 on the College Entrance Examination Board Advanced Placement Tests by the following departments: Biology, Chemistry, Classical Languages, English, German, History, Mathematics, Physics and Romance Languages. Credit will not be given for scores of 2 or 1. Any department is allowed to give quantitative or qualitative credit, or both, to an entering freshman on the basis of its own special examination.

Students who have taken college level courses in programs other than the CEEB Advanced Placement Program may request consideration for advanced placement and credit in individual departments at Trinity.

All requests and applications for advanced placement should be directed to the Director of Admissions before September 1 of the year of entrance.

Foreign Students

Students from foreign countries are expected to fulfill the same requirements as other students. The Dean of the College serves as adviser to foreign students. Trinity College has been approved for the attendance of nonimmigrant students under the Immigration and Nationality laws by the Immigration and Naturalization Service at Hartford (April 30, 1954) with the file number A10 037 658.

ADMISSION TO ADVANCED STANDING BY TRANSFER

Trinity, as a rule, offers few places to men who wish to transfer from other colleges. Because of the small number of candidates actually accepted, only those candidates whose academic records are of good to excellent quality will be considered.

Students at other accredited colleges who wish to transfer should write to the Director of Admissions requesting information about the procedure. The necessary forms and directions will then be sent to them. Briefly, the preliminary procedure for the transfer candidate is:

1. To submit his secondary school record;
2. To submit his college record through the most recent semester;
3. To request a faculty member of his college to submit a letter of recommendation;
4. To request the College Entrance Examination Board to submit the results of any tests he has taken;
5. To write a letter stating the reasons for transferring.

These data will be evaluated by the Committee on Admissions, and normally in late June the candidate will be informed whether or not he should continue with a final application.

Transfer applications may be made for entrance only at the beginning of the academic year in September, and such applications should be made before June 15.

No candidate will be considered who is not in good standing at his college.

An admitted transfer candidate may not apply for financial aid during his first year at Trinity.

As a general rule, transfer credit will be given for courses, comparable to those offered in the Trinity curriculum, in which the candidate has received grades of C or better. However, in all cases, the Registrar has the right to award or withhold credit.

THE TRINITY SUMMER SCHOOL

A summer school, for which a separate Bulletin of courses is published, is held at Trinity College each year. The courses offered are not so numerous as in the winter session, but duplicate in the main those of the winter terms. In a number of fields it is possible to complete a full year's work in a course during the summer session. Summer school courses and residence facilities are open to both men and women.

A student must be a high school graduate and if he has been in attendance at another college, must be in good standing at that college to be admitted to the Summer School. In other words, students who have been required to withdraw from other colleges will not be accepted. All subjects offered carry degree credit. A number of courses are offered for graduate students.

CREDIT FOR WORK IN OTHER SUMMER SCHOOLS

Work of "70" grade or better done at an approved summer school may be counted toward satisfying the requirements for a degree. In order to have such work counted, application must be made to the Registrar and his approval secured before taking up the work. The applicant must state the courses proposed and the institution he proposes to attend. No course will be approved that duplicates other work submitted for degree requirements. The faculty reserves the right to re-examine the student upon all such work before allowing credit.

GRADUATE STUDIES

Trinity College offers a number of graduate courses in the evening during the regular academic year. These courses, which may lead to the degrees of Master of Arts and Master of Science, are designed for part-time students, and are open to both men and women. Details concerning the requirements for these degrees will be found in the section, *Degree Requirements*.

Complete information about enrollment, degrees, and graduate courses are contained in a separate Bulletin which may be obtained by writing to the Dean of Graduate Studies.

Financial Aid

GENERAL INFORMATION

THE financial aid program at Trinity College is designed to render the most effective assistance to deserving students who desire to study at Trinity College but whose resources are insufficient to meet the complete cost of education.

Three sources of financial aid are available to Trinity students:

1. *direct grants* from scholarship funds;
2. *loans* from funds set aside for this purpose;
3. *bursary employment* in college jobs, or part-time off-campus jobs.

The expense of an education in the independent college is often more than the student and his family can meet during the four college years. Fortunately there are many people who believe that they should help worthy young men secure the educations which are within their reach intellectually, if not financially. These generous people have left in trust to Trinity College funds which may be used to help students meet the expenses of living and studying at Trinity. These funds are augmented by the College, which allocates a part of its operating income for use in the financial aid program.

Each application is considered upon its merit, and grants are made for a single year. Students who wish to apply for continuance of financial aid or for additional loans must do so as described in the section, *Method of Application, Candidates for Renewal*.

Student Responsibility

The Committee on Financial Aid is responsible for administering the program. It is the policy of the committee that no direct grant shall meet the full financial need of a candidate. He shall be required to meet part of his need through the use of loan funds, through bursary employment, through off-campus employment, or a combination thereof.

TERMS OF AWARD

All financial aid is awarded on the basis of the following factors:

1. *Intellectual promise* — The recipient shall have a good mind and should be able to meet the rigorous academic requirements of Trinity College.
2. *Leadership* — The recipient shall show evidence of leadership by his participation in the life of his school community and by his ability to bring out the best in other people.

3. *Character* — The recipient shall have an outstanding character, as demonstrated by his ability to assume responsibility, by his unshakable loyalty to standards of high personal worth, and by a spirit of unselfishness.
4. *Need* — This will be determined for the most part as explained below.

NEED

In all cases where financial aid is sought, need must be demonstrated. The candidate and his parents should understand that need is the first requisite for financial assistance.

Need is determined by the procedure established by the College Scholarship Service, Princeton, New Jersey. Trinity, with more than 250 other colleges, is a member of this organization, and all applications for financial aid are to be made on the College Scholarship Service Form (the Parents' Confidential Statement).

The candidate for financial aid and his parents should evaluate their own financial situation carefully before completing the application. Together they ought to assume responsibility for as great a share as possible of the costs of a college education. They have a responsibility to other candidates and to the College not to expect more assistance than is actually required.

METHOD OF APPLICATION

Candidates For The Freshman Class Must:

1. File a Preliminary Application for Admission with the Director of Admissions at Trinity prior to February 15 of the year they intend to enter.
2. File a College Scholarship Service Parents' Confidential Statement with the College Scholarship Service, Box 176, Princeton, N. J. This form may be obtained from your secondary school guidance officer. If your secondary school does not have a copy, you should write directly to the College Scholarship Service.
3. Request the College Scholarship Service (in the proper place on the form) to send a copy of the Parents' Confidential Statement to Trinity College.

Trinity Undergraduates

New Candidates — Upperclass candidates for financial aid who have never filed a Parents' Confidential Statement may obtain the form at the Registrar's Office. This statement must be returned directly to the Committee on Financial Aid, Registrar's Office, prior to the announced application deadline for each semester.

Candidates for Renewal — Every recipient of financial aid who wishes to apply for a continuation of his grant must do so prior to May 15 of each academic year. He must file with the Committee on Financial Aid, Registrar's Office, the Parents' Confidential Statement for Undergraduates and references from two faculty members. A candidate who has received bursary employment must also file a report from the head of the department in which he has worked testifying to the satisfactory fulfillment of his duties.

TERMINATION OF FINANCIAL AID

The Committee on Financial Aid may, at any time, withdraw financial aid from a student for one or more of the following reasons:

1. Failure at the end of any semester to maintain an average of 75% (70% for freshmen) with passing grades in all courses. A student who loses aid for this reason may be considered a candidate for a loan at the discretion of the committee.
2. Evidence that all or part of the aid is not needed.
3. Failure to show proper economy in living.
4. A breach of college discipline or of civil law; or any conduct unbecoming a Trinity student.

TERMS FOR RENEWAL OF GRANTS

Renewal of financial aid is based upon the following factors:

1. *Financial* — Continued need for financial aid must be demonstrated.
2. *Academic* — All candidates for renewal are expected to have maintained an academic average commensurate with their indicated academic potential. As a general rule they must have maintained, at the end of the latest semester marking period, an average of at least 70% (freshman class) or 75% (three upper classes) with passing grades in all courses.
3. *Personal* — All applicants for renewal shall have maintained the same high personal standards required for the original award. They shall show by their mode of living that they are making the most economical use of the aid awarded to them. (The recipient of financial aid is not to maintain an automobile during the academic year.)

A pamphlet, *Information on Financial Aid*, containing complete information about the program is available upon request to the Admissions Office.

A number of endowed scholarships are open to students with particular qualifications. Lists of all scholarships available are found in the back of this catalog following the section, *Courses of Instruction*.

STUDENT EMPLOYMENT

To assist in meeting the needs of worthy candidates, the Financial Aid Committee in most cases will offer part-time bursary employment with direct grants or loans as part of the total financial assistance rendered. These bursary jobs in the Dining Hall, Library, and administrative offices are such that they do not interfere with the regular academic schedule. Ordinarily, such work does not consume more than fifteen hours a week.

In addition, there are a number of other part-time positions on the campus which are available to students who are in need of financial help. Application for work with the College must be made with the Placement Office.

There are also numerous opportunities for employment in the City of Hartford. The Placement Office serves as a liaison agent between students and outside employers.

While it has proved possible for students to earn a part of their college expenses by work outside of class hours, experience has shown that the majority of freshmen cannot expect to hold regular employment and at the same time maintain a satisfactory standing in their studies.

College Expenses

GENEROUS friends have endowed the College with funds of over ten million dollars. Income from these funds makes it possible for Trinity to give students an education which actually costs much more than the tuition charged. This is reflected not in a tuition lower than normal for most colleges but in improved instruction and facilities.

Bills for tuition and fees for board and room are rendered and are payable on or before Registration day at the beginning of each term. Supplementary bills for extra courses and fees not included in the original billing will be rendered where applicable and are payable within ten days. A charge of five dollars is made for late payment. *No deduction or refund is made for courses dropped, for absence, or for withdrawal from college for any reason.*

Scholarship awards are credited to the student's account. One-half of each Financial Aid Grant is credited to the student's account at the beginning of each semester.

As an associate of The Tuition Plan, the College is prepared to extend to parents or guardians the opportunity of paying tuition and other fees in equal monthly installments during the college year. The additional cost is small. Adoption of this plan is optional and intended solely as a convenience. Details will be included with the college bill.

Another helpful program, known as the Insured Tuition Payment Plan, is also available to our students. This is a plan of prepayments on a monthly basis without interest and with complete insurance protection on the earning power of the parent which at all times guarantees payment of the cost of the education planned. Inquiries should be addressed to: Insured Tuition Payment Plan, 38 Newbury St., Boston 16, Mass. Please bear in mind that it is best to make arrangements for this plan several months in advance.

All checks should be made payable to the "Trustees of Trinity College." Communications regarding bills should be addressed to the Treasurer. No student may receive his degree, or an honorable dismissal, until the Treasurer certifies that all his college bills have been paid, and that so far as the Treasurer knows there are no lawful claims against him.

SCHEDULE OF COLLEGE FEES

Tuition	per term	\$600.00
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General Fee	per year	\$125.00
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(Payable at the beginning of the year, this fee partially finances the operation of the Student Center, student organizations and publications, student accident and sickness insurance, vocational tests, laboratory fees, and admission to athletic events.)

Fees for extra courses over five	per half-course	\$120.00
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ADDITIONAL EXPENSES FOR RESIDENT STUDENTS

Freshmen:

Room Rent and Board in College Dining Hall (18 meals a week)	per term	\$375.00
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Upperclassmen:

Room Rent	per term	\$140.00
	to	\$165.00

Board (18 meals a week)	per term	\$225.00
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Boarding at the College Dining Hall is optional for students other than freshmen.

Please note: The above fees do not include the cost of books and classroom supplies, travel expenses, laundry, clothes, medical expenses, Sunday meals and fraternity fees.

DEPOSIT FEES

General Deposit Fee

(Payable at the beginning of the Freshman year)	\$30.00
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Against this deposit will be charged laboratory breakage, library fines, parking fines, room damage, and the cost of keys, athletic equipment, R.O.T.C. uniforms and equipment, auto tags, and other college property lost or not returned on schedule. Any balance remaining will be refunded after completion of the Senior year.

Degree Requirements

THE BACHELOR'S DEGREE

UNDERGRADUATE study programs at Trinity lead to the Bachelor of Arts and the Bachelor of Science degrees. Trinity also has a five-year engineering program which enables students to earn, at the end of four years, the Bachelor of Science degree and, at the end of five years, one of three engineering degrees: the Bachelor of Science in Electrical Engineering, in Engineering Science, or in Mechanical Engineering.

At the graduate level, Trinity grants through its Graduate Studies program the Master of Arts and the Master of Science degrees.

The course of study for the Bachelor's Degree extends over four academic years running from September to June. Most courses meet for three one-hour sessions each week, with additional sessions for laboratory courses. The normal schedule consists of five courses a year for each student. Twenty courses, or the equivalent in half-courses, are required for graduation.

It is possible to qualify for the Bachelor's Degree in three calendar years by utilizing a combination of Trinity's Transition to College Plan (described in a separate publication), Advanced Placement credit, and summer study. Similarly, it is possible to qualify in some subjects to receive the Bachelor's Degree and the Master's Degree at the conclusion of four years of study.

DISTRIBUTION

Trinity believes that a college course should provide each student with an understanding of scientific methods and of the part science plays in the modern world, a knowledge of the organization of modern society, and an appreciation of our cultural heritage. College experience should also develop in each student the tools for effective action – high standards of value, the power to analyze and to deal with abstractions, and effective expression in writing and speaking.

The objective of Trinity's curriculum during the first two years is to provide the tools, basic facts, and ideas which will provide a common body of knowledge of sufficient breadth on which to base the last two years of concentrated study in a specific field. By such a program of distribution and concentration, the college seeks to develop the student's ability to reason, to use his imagination, and to communicate his ideas and thereby achieve a liberal education.

Since the subject matter of general education falls within three broad fields – *natural science*, *social studies*, and the *humanities* – courses are required in each field.

Bachelor of Arts candidates, for example, must fulfill two requirements in science. A course in mathematics works directly toward sharpening the power to analyze and deal with abstractions, and a laboratory science develops an understanding of scientific methods.

In the social studies, an integrated course in Western European History provides a foundation for studying the organization of modern society and human relationships.

Trinity's requirements in the humanities fulfill several educational aims. Trinity requires a course in a foreign language beyond the elementary level as well as one course in English Composition, Reading and Speaking. Requirements in English or foreign literature, in philosophy or religion, and in creative arts have a direct effect on the development of standards of value and in presenting the record of human achievements. To cultivate an appreciation of our cultural heritage, each man selects a course from such choices as Latin, Greek, classical civilization, linguistics, history of art, world literature, ancient history, history of philosophy, or the Jewish-Christian sources of western culture.

Although details vary slightly, Bachelor of Science candidates also must fulfill requirements which work toward the development of standards of value, understanding of human relations, and appreciation of our cultural heritage. In consultation with his adviser, each science student selects at least three courses in English, Economics, Government, History, Psychology and/or Philosophy.

CONCENTRATION

On this foundation in general education, Trinity bases complementary study in which a student may concentrate and explore more deeply the field of his special interest. Trinity's requirements in concentration are called "major studies." The major is usually decided upon at the beginning of the sophomore year and is the principal work of the junior and senior years.

The candidate for the degree of Bachelor of Arts may select a major in Classics, Economics, English, Fine Arts, German, Government, History, Modern Languages, Music, Philosophy, Psychology, Religion, Romance Languages, or in an interdepartmental program. The candidate for the degree of Bachelor of Science may major in Biology, Chemistry, Engineering, Geology, Mathematics, Physics, Psychology, or Pre-Medicine, or in an interdepartmental program. Details of the requirements of each of these major studies are to be found under the appropriate sectional headings in the section, *Courses of Instruction*.

In addition to courses required for distribution and concentration, each student is free to complete his program by selecting courses of his choice. Men whose preparatory school education and required college courses may have left a gap in some area of general education are encouraged to take electives in that area. Other men may wish to supplement their

major or pre-professional courses by studying subjects in allied or supplementary fields. Others may seek to become acquainted with a new subject that happens to interest them and affords personal profit and enjoyment.

THE FRESHMAN YEAR

Freshmen carry five courses as a normal load. Following are the courses open to freshmen:

Air Science (ROTC) 101-102	German 101-102; 111-112; 211-212	Mathematics 103, 104, 105, 106
Biology 101-102	Government 100, 202, 204	Music 101, 102; 103-104; 105-106; 107-108; 109, 110
Chemistry 101-102; 103-104; 105-106	Greek 101-102; 112; 201, 202	Philosophy 201, 203, 205
Economics 201-202	History 101-102	Physics 101-102; 121-122
Engineering 131, 132	Italian 101-102; 111-112; 211-212	Psychology 101
English 101, 102	Latin 101-102; 111-112; 121-122	Religion 101, 102; 211, 212
Fine Arts 101, 102; 201-202	Linguistics 101	Russian 101-102; 111-112
French 101-102; 111-112; 211, 212		Spanish 101-102; 111-112; 211, 212
Geology 101-102		

Bachelor of Arts Candidates—The typical program which fulfills requirements for the first two years is as follows:

<i>First Year</i>	<i>Second Year</i>
Mathematics 103, 104; or 105, 106	Laboratory Science
English 101, 102	Literature in English or in a Foreign Language
Foreign Language	Classical and Christian Heritage
History 101-102	Philosophy; Creative Arts (half-year each)
An Elective	An Elective

Freshmen taking ROTC may defer either History 101-102 or a language until their sophomore year.

Bachelor of Science Candidates—The typical program which fulfills requirements for the freshman year is:

Mathematics 105, 106
 English 101, 102
 Physics 101-102 or 121-122
 Modern Language
 An Elective

Freshmen are urged to discuss the various degree requirements with instructors in the departments concerned, so that they may make any advisable change in their choice of a course of study not later than the sophomore year.

DEGREE REQUIREMENTS FOR ALL STUDENTS

A candidate for the degree of either Bachelor of Arts or Bachelor of Science must:

1. Complete 20 full-year courses or their equivalent in half-year courses.
2. Attain a grade of at least 70 in 14 of the 20 courses, or grades of at least 80 in enough courses to offset any excess of courses with grades below 70.
3. Complete satisfactorily the requirements for Chapel attendance. Chapel requirements may be met by regular attendance at the college Chapel or at a place of worship of the student's own choice. (For details, see the *College Handbook*, printed separately.)
4. Complete satisfactorily the requirements in Physical Education. (See section, *Courses of Instruction: Physical Education*.)

Note 1: A student must, before being admitted to his third year at Trinity, attain a grade of at least 70 in five courses or their equivalent in half-courses.

Note 2: The Basic or Advanced Course of Air Science becomes a pre-requisite for graduation for students who elect work in that field.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

COURSES IN DISTRIBUTION

Composition, Reading and Speaking:—one course (English 101, 102).

Western European History:—one course (History 101-102).

Laboratory Science:—one laboratory course in Biology, Chemistry, Geology or Physics.

Literature:—one course, or two half-courses, in English or foreign literature.

Foreign Language:—one course (to be taken in college) in Latin, Greek, French, German, Italian, Russian or Spanish beyond the elementary course.*

* Unless a student can show the Committee on Foreign Languages intent to work in fields requiring a particular language, the following rules apply:

a. Students offering three or four years (units) of a foreign language shall continue that language in college.

b. Students offering two years of a foreign language who have taken that language in their third and fourth years of preparatory schooling shall continue that language in college.

c. Students offering two years of a foreign language who have not taken that language in their third and fourth years of preparatory schooling may either continue that language or begin a different one.

A language placement test in modern languages is given in September to entering freshmen for whom no score has been received for the College Entrance Examination Board test in language. Students who receive a low score on the placement examination

Mathematics:—one course, Mathematics 103, 104 or Mathematics 105, 106 or Mathematics 103, 105.

Philosophy:—one half-course.

Creative Arts:—one half-course in Music, Fine Arts, Dramatic Technique, or advanced English Composition.

The Classical and Christian Heritage:—one course, or two half-courses, from the following:

A course in Greek or Latin;

Classical Civilization 201-202 (Classical Humanities), 204 (Classical Mythology);

English 243, 244 (World Literature);

Fine Arts 208 (Renaissance Architecture);

History 203 (Ancient History of the Near East and Greece),
204 (Hellenistic and Roman History);

Linguistics 101;

Philosophy 309 (Ancient and Medieval Philosophy),
312 (Plato and Aristotle);

Religion 101, 102 (Jewish-Christian Sources of Western Culture),
211, 212 (Introduction to the Bible).

COURSES IN CONCENTRATION

The Major:—All candidates for the B.A. degree must fulfill the quantitative course requirements for a major in Classics, Economics, English, Fine Arts, German, Government, History, Modern Languages, Music, Philosophy, Psychology, Religion, Romance Languages, or an Interdepartmental program, as listed under their respective headings in the section, *Courses of Instruction*.

The B.A. degree with major will be granted to those students who in addition fulfill the qualitative requirements in a major or group, and make grades of 70 or higher in each of their major courses.

The B.A. degree without major will be granted to those students who fulfill the quantitative requirements for a major or group but fail to fulfill the qualitative requirements.

All required courses must be taken in the first two years of college with the following exceptions: the courses required to complete a major; exceptions made by the Registrar for transfer students. In exceptional cases, a Sophomore may postpone for one year one of the following three requirements: Classical and Christian Heritage; Literature; Creative Arts and Philosophy.

shall drop back to the next lower level course. To fulfill their Trinity College degree requirements, such students must complete the course for which their entrance credits would normally qualify them.

Men who offer two units of a language for entrance credit and are required to go back into an elementary course shall have the alternative of continuing the same language or of beginning a new language.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE

COURSES IN DISTRIBUTION

Composition, Reading and Speaking:—one course (English 101, 102).

Social Science and Literature:—two courses, not to be taken in the same department, in English, Economics, Government or History.

Foreign Language:—one course (to be taken in college) in French, German, Italian, Russian, or Spanish, beyond the elementary course. (See footnote,* Page 45.)

Mathematics:—one course, Mathematics 105, 106 (Mathematics 103, 104 may be substituted for Mathematics 105).

Philosophy and/or Psychology:—one course or two half-courses.

Physics:—101-102 (Elementary) or 121-122 (General Physics: Optics and Mechanics).

COURSES IN CONCENTRATION

The Major:—satisfaction of the requirements for a major in Biology, Chemistry, Engineering, Geology, Mathematics, Physics, Pre-Medicine, or an Interdepartmental program, as listed under their respective headings in the section, *Courses of Instruction*.

REQUIREMENTS FOR THE ENGINEERING DEGREES

Prerequisites

To enter the fifth year leading to the Bachelor of Science degree in Engineering Science, in Electrical Engineering, or in Mechanical Engineering:

1. A candidate must hold a Bachelor of Science degree from Trinity or an equivalent degree from another accredited college.
2. A candidate must obtain permission of the Engineering Department and of the department in which he will concentrate if other than engineering.
3. A candidate for the Bachelor of Science degree in Engineering Science must have attained a grade of at least 70 in eleven of the courses listed in paragraph 4, including Physics 303, 304, Mathematics 301, 302, and one Chemistry course.
4. A candidate for the Bachelor of Science degree in Electrical or Mechanical Engineering must have attained a grade of at least 70 in all the following courses:

Mathematics 105, 106; 201, 202; 301, 302.

Physics 121-122; 221-222.

Chemistry 101-102 or 103-104 or 105-106.

Engineering 131, 132; 227-228; 331, 332; 333, 334; 337-338.

Total Course Requirements

1. Twenty-five courses, or their equivalent in full and half-courses. Five

of these shall be taken in the fifth year of which three must be in the degree group. A thesis is also required.

2. At least eight courses must be outside the areas of engineering, mathematics, science, and air science (AFROTC). Seven of these must be taken in the first four years.
3. All candidates for the Bachelor of Science Degree in Engineering Science, in Electrical Engineering, or in Mechanical Engineering, must have completed Physics 303, 304. Normally this course is to be taken in the fifth year.

The course of study for Engineering Students is outlined in the brochure *Engineering at Trinity College*. The work of the fifth year, for all three degrees, include Engineering 451, 452, Physics 303, 304, Engineering 483-484 (Thesis), and one Arts Elective. Electrical Engineering majors will also take 461-462, Mechanical Engineering majors will take Engineering 471, 472, and Engineering Science majors will take one course in their science major.

REQUIREMENTS FOR THE DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCE

Men and women holding Bachelor's degrees from colleges approved by the Faculty may apply to the Committee on Graduate Studies for admission as candidates for the degree of Master of Arts or Master of Science. Graduate study may be pursued in the evening, or in summer sessions. A catalogue of Graduate Studies and a catalogue of the Summer Session are published separately.

Candidates must complete a total of five graduate courses, at least three of which must be in the field of major study, and two of which may be in another field approved by the chairman of the department of major study. Students may be asked to write a thesis in place of one of the five regular courses.

Candidates must study at Trinity the equivalent of at least one year. Not more than six semester hours of credit will be given for work done at another institution.

Trinity undergraduates who desire to take extra courses to count later toward the Master's degree must receive the approval of the Committee on Graduate Studies. Such courses cannot later be used in satisfying the requirements of the Bachelor's degree.

Complete information concerning the graduate program may be obtained from Professor Robert M. Vogel, Dean of Graduate Studies.

THE DEPARTMENT OF ENGINEERING

Trinity College offers its students the opportunity to major in the field of engineering and, with a fifth year of study, to earn a Bachelor of

Science degree in Engineering. The College firmly believes that a liberal arts background is essential to the modern engineer.

Students wishing to undertake a career in engineering may choose one of the following three plans of study: *Engineering Degree*; *Engineering Major*; or *Pre-Engineering*. The course requirements of the Department are sufficiently flexible to permit the engineering student to choose one of these plans as late as the second half of his sophomore year. He is, of course, expected to start his engineering courses in the freshman year so that he will not be required to take concurrently the courses listed for the first and second years. A description of the three plans follows.

1. **ENGINEERING DEGREE.** The Engineering Degree program is a five-year plan for those who wish to obtain a Bachelor of Science in Electrical Engineering, a Bachelor of Science in Mechanical Engineering, or a Bachelor of Science in Engineering Science. A Trinity student electing this program will receive his Bachelor of Science Degree from the College at the end of the fourth year upon satisfactory fulfillment of the degree requirements. He will, in the fifth year, take five courses as outlined in the section, *Requirements for the Engineering Degrees*.

The Engineering Degree program is also open to graduates holding a Bachelor of Science degree from any accredited college.

Application for entrance to the Engineering Degree Program should be made to The Chairman of the Engineering Department.

The tuition for the fifth year is \$1,200 which covers the six required courses. There is also a General Fee of \$75 for accident and sickness insurance, laboratory fees, admission to athletic contests, etc.

Through the generosity of Mr. Karl W. Hallden, member of the Class of 1909, and a Trustee of the College, there are a limited number of scholarships for outstanding candidates for the Engineering Degrees. Information concerning these may be had from Dr. Arthur H. Hughes, Dean of The College.

2. **ENGINEERING MAJOR.** This program is designed for those who plan to earn their Bachelor of Science degree in four years at Trinity. Detailed requirements for the Engineering Major are to be found in the section, *Courses of Instruction, Engineering*.
3. **PRE-ENGINEERING.** This plan is designed for those who wish to enter either Rensselaer Polytechnic Institute or Columbia at the end of the third year in accordance with the plans outlined below.

Rensselaer-Trinity Course of Engineering Study

The Rensselaer Polytechnic Institute of Troy, New York, and Trinity College, have made arrangements whereby students completing the Trinity three-year Pre-Engineering course will be admitted to the Institute in full standing. If the student has satisfied the Trinity B.S. degree

requirements, Trinity College will confer upon him a B.S. degree at the completion of his first year at the Rensselaer Polytechnic Institute. A Bachelor's degree in one of the engineering fields will be granted by the Institute after a second year of study. Under this plan the student will have received two degrees after five years of college work in the two institutions.

Columbia-Trinity Course of Engineering Study

Columbia University of New York and Trinity have also made arrangements for a similar 3 year-2 year program. The curriculum of the Columbia plan differs slightly from the one above.

The usual sequence of engineering courses for these three plans is as follows:

First year — Engineering 131, 132; Second year — Engineering 227-228;
Third year — Engineering 333, 334 and either Engineering 331, 332 or 337-338.

Students considering Engineering should plan to begin Physics 121-122 in the freshman year.

THE DEPARTMENT OF AIR SCIENCE

The Department of Air Science offers the four-year Air Force ROTC Program leading to a Reserve Commission as a Second Lieutenant in the United States Air Force. The first two years are known as the Basic Course and the last two years, the Advanced Course.

Enrollment in either course is voluntary, but once either is entered, the course becomes a prerequisite for graduation. Students enrolled in the Basic Course must complete the entire two years to receive college credit. Both Basic and Advanced Course students will take one full course or two half-courses in Air Science each year. Each course in the Basic and Advanced Courses is a prerequisite for the succeeding Course.

For the Basic Course, qualifications for entrance into college are all that are needed.

For enrollment in the Advanced Course a student must pass a physical examination and have completed the Basic Course. Each application for the Advanced Course is subject to the approval of the Professor of Air Science and the President of the College.

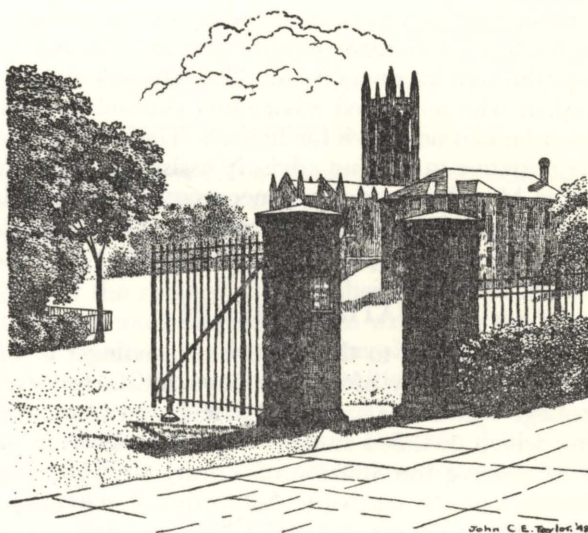
Advanced Course students must sign a contract with the Government agreeing to complete the Advanced Course, to attend a four weeks encampment at an Air Force base during the summer between the Junior and Senior years, and to accept a Reserve Commission, if tendered, upon completion of the Course.

Students are furnished text books, equipment, and complete uniforms free of charge.

The government offers to defer students from induction into the Armed Services while enrolled in Air Force ROTC training, providing they

maintain the required standards. An Advanced Course student will receive regular pay while enrolled at the College and during the summer training period for a total of \$618.00.

Advanced Course students who are physically qualified and desirous of pilot training are provided, free of charge, in the Senior year thirty-five hours of flight instruction leading to a private pilot's license.



General Academic Information

THE FRESHMAN-SOPHOMORE ADVISORY COUNCIL

The College believes that academic counseling and advising are important facets of this educational process and has for many years maintained a faculty advisory system.

The Freshman-Sophomore Advisory Council provides that each student be advised by the same faculty member for both his freshman and his sophomore year. The Council is composed of 40-50 faculty members appointed by the Council chairman with the advice of departmental chairmen. The Dean of Students, Registrar, Director of Admissions, and Director of Placement serve as ex-officio members.

By the pre-registration period for his junior year the student will have chosen to major in one of the departments of the College and at such time will register with the advice of his departmental adviser.

Trinity assumes that by the time a student enters college that he has developed such a level of maturity of judgment as to be able to solve most of his problems through his own devices. The advisory system is designed to aid the student who may need advice and counsel on those academic problems which he can not solve for himself. The student should understand that the initiative in seeking advisory assistance is his own but that at such times as his advisers deem it necessary to counsel him that he should feel a genuine obligation to pay strict attention to and take prompt action with reference to the request for an interview.

MATRICULATION

Students are matriculated to the rights and privileges of official membership in the College Body after they have satisfactorily completed a semester of college work. The annual Matriculation Ceremony is held in February, after which qualified students sign the following promise:

"I promise to observe the Statutes of Trinity College; to obey all its Rules and Regulations; to discharge faithfully all scholastic duties imposed upon me; and maintain and defend all the rights, privileges and immunities of the College, according to my station and degree in the same."

ATTENDANCE

All students are expected to attend regularly and promptly all their college appointments and exercises. While the College recognizes that some absences may on occasion be necessary, these should be held to a minimum.

In order to provide for exceptional personal circumstances and emergencies, and to place the responsibility of his learning squarely on the student, the following regulations apply:

Freshmen are permitted up to three unexcused absences from classes in each course during Christmas Term, and a certain number in Trinity Term, depending upon their academic average earned in the Christmas Term. Freshmen who overcut will be placed on academic probation.

Sophomores who are on probation or who receive grades of less than 70 in three courses at the end of any term are limited to three cuts per course per term.

Upperclassmen are otherwise held to no limited number of absences, but are responsible for all the work required in course, including readings, papers, reports, tests, and examinations. On recommendation of the instructor, however, a student may be required to drop, with failing grade, a course from which he has absented himself excessively.

All students are required to attend all meetings of seminars, laboratories, tests, and examinations.

Three unexcused absences are permitted in each quarter of required Physical Education. For details see section, Physical Education under *Courses of Instruction*.

Each student must attend a Sunday Chapel Service on at least nine Sundays in a term. In lieu of attendance at Trinity Chapel regular attendance at a church of one's own choice may be substituted.

ENROLLMENT IN COURSES

In making his elections for a given term a student should take into account the choices which the schedule allows for the following term, as well as the subjects specifically required for his degree and the subjects making up the Major he has elected.

A statement of the subjects and number of each course and the period in which it belongs must be presented in writing to the Registrar. No student in regular standing is allowed to enroll during any one term in less than four courses. Payment of the tuition fee entitles a student to register for a program of five courses. With the consent of his faculty adviser and of the Registrar, a student may enroll in six courses. There is a charge of \$120.00 for each half-course over and above the normal five-course program.

Regular students may, with the permission of the instructors, audit courses for which they are not enrolled. No examinations or credit will be given to such auditors.

Permission to drop courses and change programs is given during the first four days of the term. Arrangements for changes must be made with the student's adviser and reported by the student to the Registrar. In no case will a fee for extra courses be refunded after the conclusion of the first week of the semester. A course dropped after one week of classes is entered on a student's permanent record with the notation "dropped"; or "dropped, failing grade" if failing. In computing averages a "dropped" course will not be included while a "dropped, failing grade" will be averaged as a grade of 40.

STANDING

At the close of each term a report of the scholarship of each minor student is sent to his parents or guardian. Scholarship reports are mailed directly to students who have reached their majority.

For promotion in class, students must satisfactorily complete three courses to become a sophomore, eight to become a junior, 13 to become a senior and at least 20 to be graduated.

Every student must attain a grade of at least 70 in five courses, or their equivalent in half-courses, before being admitted to his third year at Trinity.

The official estimate of the work of each student in each course of study is indicated on the basis of 100. Grades below 60 denote failures. A failure in a course may be made up only by repeating the course or by taking it in an approved summer school.

A "condition" or "incomplete" is a special grade given by the Instructor when in his opinion there is a deficiency that may be made up without repeating the course. A grade of "absent" indicates that the student was absent from the final examination in the course. Deficiencies, i.e., grades accompanied by "abs.", "cond.", or "inc." must be replaced by permanent grades during the semester following the one in which they are incurred unless otherwise stipulated by the Instructor.

Any student who has not received at the end of a term passing grades in four courses with grades of at least 70 in two of these courses will be placed on probation for the following term. Any student, for neglect of work, may at any time be put on probation by vote of the Faculty. When a student is placed on probation, notice of this action is sent to his parent or guardian if the student is unmarried and under twenty-one years of age.

Ordinarily a student on probation will not be permitted to manage any college organization, or to take part in any public musical or dramatic performance, or in any public athletic contest; and he may be required to put himself under the direction of a private tutor approved by the Faculty. But nothing in this section is to be so construed as to forbid students on probation to engage in intramural sports. Under certain conditions, men on probation for the first time may take part in one extra-curricular activity.

Students on probation may not elect more than five courses per term. Students may be removed from probation only at the end of a term. Students who are liable to probation for the third time will be required to withdraw from College, without the privilege of return. Students are usually required to withdraw (apart from the third probation) only when they have been on probation the preceding term. Students required to withdraw as a consequence of two successive probations may apply for re-admission after a year has passed. Individual applications are considered on their merits by the Committee on Administration and re-admission is not automatic.

The Dean of the College or the Dean of Students or the Registrar will

summon any student who at any final marking period passes a total of less than three courses to determine the reasons for such failure and to make recommendation to the Committee on Administration. Required withdrawal may be recommended.

The College may at any time require a student to withdraw without assigning a reason therefor.

TUTORIAL COURSES

Students qualified to pursue advanced work in a department may be permitted, subject to the approval of the department concerned, to register for Tutorial Courses. They will devote a portion of their time to individual study under the direction of the head of the department. In no case does this procedure excuse a student from any of the courses specifically required for the B.A. or B.S. degree.

HONORS AT GRADUATION

The excellence of a student in the general work of his college course, or in the work of individual departments, is recognized at graduation by the award of honor rank in general scholarship, or in subjects in which the student has shown proficiency.

The two members of the Senior Class having the highest standing are designated, respectively, Valedictorian and Salutatorian.

Honors awarded at graduation, whether in general scholarship or in special subjects, are noted on the commencement program of the year in which they are awarded, and in the next issue of the College Catalogue.

Students attaining the grade of ninety or better in all courses required for the degree are graduated with the title of OPTIMUS.

The distinction of honor rank in general scholarship is awarded at graduation to students who have attained a grade of eighty in each of twenty full courses (or three hours each per week for the year), or their equivalent, and a grade of ninety in sixteen of these full courses or their equivalent. Of students who have been in residence less than four years, a proportionate attainment will be required.

The fields in which Honors may be awarded are: Biological Sciences, Chemistry, the Classics, Economics, Engineering, English, Fine Arts, French, Geology, German, Government, Greek, History, Latin, Mathematics, Music, Philosophy, Psychology, Physics, Religion, and Romance Languages. The departments concerned recommend to the Faculty for Honors students who have achieved excellence in four courses designated by the departments. Special examinations and a satisfactory thesis may also be prescribed. Students are advised to consult the departmental heads concerning specific requirements.

HONOR SOCIETIES

Phi Beta Kappa, founded in 1776, is an honor society dedicated to humane scholarship. Members are elected from among those students

who have achieved highest general scholastic standing. In addition, the charter of the Chapter stipulates that persons elected to membership "shall be men of honor, probity, and learning." Election to Phi Beta Kappa is widely regarded as a mark of highest distinction. The Trinity Chapter, known as the Beta of Connecticut, was chartered by the Yale Chapter, the Alpha of Connecticut, on June 16, 1845, and is the eighth oldest chapter of Phi Beta Kappa in the United States.

Pi Gamma Mu, a national social science honor society, was founded in 1924. The Trinity College chapter, known as Connecticut Alpha, received its charter in 1936. The society has as its purpose the recognition of outstanding scholarship in the social sciences. Members are elected by unanimous vote from among graduate students and undergraduates of the Senior and Junior classes who have achieved superior rank in scholarship in the social sciences. The society is also empowered to elect to membership persons who have distinguished themselves in public service.

Sigma Pi Sigma is the only national physics honor society. Its chapters are restricted to some 80 colleges and universities of recognized standing, which offer a strong major in physics. Membership is restricted to physics students and to a few others in closely related fields. Selection is made on a scholastic basis. Those not meeting the scholastic requirements but interested in the aims of the society may become associates. The objects of the society are: (1) to serve as a means of awarding distinction to students having high scholarship and promise in physics; (2) to promote student interest in physics, and to encourage a professional spirit and friendship among those studying that subject; (3) to interest and inform the college community regarding developments in physics. Trinity became affiliated with The Society in 1949.

Delta Phi Alpha, the National German Honorary Fraternity, was founded in 1929. The Trinity chapter, known as Delta Upsilon, was chartered on March 7, 1958. Delta Phi Alpha seeks to recognize excellence in the study of German and to provide an incentive for higher scholarship. In so doing it aims to promote the study of the German language, literature, and civilization, and endeavors to emphasize those aspects of German life and culture which are of universal value and which contribute to man's eternal search for peace and truth. To qualify for membership, students must distinguish themselves scholastically both in German and in other courses, and must give evidence of continuing interest in the German language and German culture.

Psi Chi, the national honor society in psychology, was founded in 1929 at the meeting of the International Congress of Psychology. The Trinity Chapter, known as Connecticut Alpha, was chartered and installed in 1959. The purpose of the organization is to advance the science of psychology; and to encourage, stimulate, and maintain scholarship of the individual members in all fields, particularly in psychology. Membership in this honorary society is restricted to advanced undergraduate students who have shown outstanding scholarship in psychology as well as other

departments of the college. The organization sponsors a psychological periodical in the Trinity Library and maintains a small collection of psychology books for use by all students.

THE CESARE BARBIERI CENTER FOR ITALIAN STUDIES

The Cesare Barbieri Center for Italian Studies was established at Trinity College in 1958 by a grant of \$100,000 from the Cesare Barbieri Foundation of New York. The object of the center is to stimulate the study of Italian language and culture at the undergraduate and graduate levels, and Italo-American cultural relations locally and nationally.

Previous grants from the Cesare Barbieri Foundation have enabled the college to establish the Cesare Barbieri Lecture Series, to bring Italian students to the College for a year and to purchase books and journals to strengthen teaching of Italian.

The Center also publishes twice a year *The Cesare Barbieri Courier*, a journal dedicated to matters of Italian culture.

VETERANS

To deal effectively with matters concerning students who are studying under Public Laws 550, or 634, an Office of Veterans Affairs has been established. This Office handles veteran affairs under the respective public laws after admission to the college.

Students admitted to Trinity who intend to study under the G. I. Bill should, upon admission to Trinity, communicate with their local Veterans' Administration Office, requesting (1) that a certificate of eligibility and entitlement be issued to them for use at Trinity College, in pursuing a course of study toward the B.A. degree or the B.S. degree, whichever applies. In the case of graduate students the appropriate courses would be either Master of Arts or Master of Science; (2) that all necessary folders and papers be sent to the Hartford regional office of the Veterans Administration, 95 Pearl Street, Hartford.

IMPROVEMENT OF READING

Trinity also offers a Reading Program in the interest of the students' intellectual welfare. It believes that almost all readers, even those already above average, can improve their comprehension and speed in reading and thus the efficiency of their studying. Consequently it offers each semester a non-credit course in the Improvement of Reading, employing reading films and tachistoscopic drill to improve the perceptual part of reading, and exercises on varied problems in comprehension to improve the conceptual:

Improvement in Reading, A: A course built around the Harvard Reading films, Strang's *Study Type of Reading Exercise*, and tachistoscopic drill.

Improvement in Reading, B: A course built around the Purdue Reading films, Cosper and Griffin's *Toward Better Reading Skill*, and special comprehension exercises.

Each course meets five times a week for four weeks early in the semester. Normally Course A will be given in the first semester, and Course B in the second. Both may be taken to advantage and without repetition. During freshman week all entering students take a reading test, and those found inefficient in their reading are urged to take one or the other, if not both, of these courses.

For students who are experiencing trouble in their regular courses because they are unable to read with the efficiency demanded by college work, Trinity offers a diagnostic testing service. The College is unable to offer any individual tutoring, but will refer students who desire it to qualified persons in Hartford if they are willing to accept the financial responsibility which such tutoring entails. Because poor spelling often accompanies poor reading or is an outgrowth of being taught to read by an improper method, the Reading Program also includes a course in spelling. Any student who cannot spell at a satisfactory level may be required to take this non-credit course by any one of his instructors. Hours are arranged at the beginning of each semester, after the student's other commitments have been determined.

Campus Life

COUNSELING

A Trinity education is based upon the close association of students with a distinguished faculty. The size of the College permits close relations between students and faculty members, both in the classroom and in extra-curricular activities.

The Dean of Students is generally responsible for the welfare, health, and discipline of the student body. A clinical psychologist certified by the State of Connecticut, he is available for counseling on student problems of a personal, academic, or vocational nature. He constitutes the liaison between the students and the President, the Dean, and the Faculty. His duties include supervision of all student housing and boarding and all extra-curricular activities except athletics. He oversees and fosters student participation in their own self government. The enforcement of all requirements legally imposed on the student is also a function of the Dean of Students.

The Registrar assists the Dean of the College in academic counseling and in the administration of the undergraduate financial aid program.

To assist the freshmen in their adjustment to college, thirty members of the junior class serve as Junior Advisers to the resident freshmen.

All students are given the opportunity of taking psychological, vocational guidance, and aptitude tests as means of achieving a more satisfactory educational experience. In addition to the vocational counselling given by faculty members, Trinity's Dean of Students and Director of Placement are specialists in career counselling.

The Placement Director holds periodic interviews with students throughout their college course to encourage them to plan their careers after graduation. Representatives of graduate schools, business, and industry visit the College for personal interviews with undergraduates, and a Career Day is held annually on Campus at the beginning of the Trinity term.

Experience with many generations of students has demonstrated to the Faculty that the young man who benefits most from college is the one who plans his course of study with a clearly defined and deliberate purpose. This unifying purpose is often, but not necessarily, vocational. Indeed, a major strength of liberal education is its adaptability to the personal needs of men preparing for a broad variety of vocations. Preparation for some vocations may be principally within a "major" or "group" study, described in the section, *Degree Requirements*. Preparation for other careers involves careful selection of electives in combination with a closely allied major study. In some cases a fixed sequence of courses is desirable. Many students will find it most effective to hand tailor, in

consultation with a faculty adviser, a study program to suit particular needs.

It is, therefore, strongly urged that early in his college career the student consult with his Faculty Adviser, with the Director of Placement, the Dean of Students, and other members of the faculty and administration, all of whom are willing to help the student plan his career and the best academic program to achieve his goals.

The Faculty Language Committee strongly recommends that students who intend to pursue their studies at Graduate School give special consideration to the language requirements for advanced degrees. The Committee suggests that students confer before their junior year with the head of the Department in which they are majoring for specific information concerning such requirements.

STUDENT GOVERNMENT

Trinity students are encouraged actively to concern themselves with their own government and regulation. The legislative body of this student government, The Senate, has charge of all class and club funds and supervises student organizations in general. The judicial function is delegated to Medusa, a Senior honorary society, which maintains college traditions and discipline, and metes out the following non-academic penalties: fines, penums, admonition, censure, suspension, dismissal, and expulsions. The conditions of these penalties for misconduct are defined in the *College Handbook* and are supervised by the Senate, confirmed by the College Committee on Administration, and implemented by the Dean of Students.

RELIGIOUS LIFE

The spiritual life of the College is centered in Trinity's magnificent Gothic Chapel and is the responsibility of the College Chaplain.

The College has been closely associated with Christian principles by three strong traditions: eleven of fourteen college presidents have been Episcopal clergymen; clerical scholars serve on the teaching faculty; and students are required to attend religious services.

The ties between the Episcopal Church and the College are close, but have always been those of tradition, not of law or government. The Chapel was consecrated by Episcopal Bishops; the Chaplains are Episcopal clergymen; and the Book of Common Prayer, on which the books of worship of most major denominations are based, is used for most of the services in the Chapel.

Services are held in the Chapel as follows:

Daily: 8:00 a.m.

Sundays: 8:30 a.m. Holy Communion

11:00 a.m. Morning Prayer

5:00 p.m. College Vespers

Wednesdays and Holy Days: 7:15 a.m. Holy Communion

Advent and Lent: 10:10 p.m. Compline

Members of the faculty and the administration, as well as senior and junior students assist the Chaplain in these services of worship.

Attendance at a certain number of the Sunday services or regular worship at the church of one's faith, is required of all students in accordance with the regulations prescribed by the Faculty and the Trustees.

Four groups, embracing most religious preferences, assist in making friendships, provide opportunities for student discussions, and participate in community service projects.

Episcopalians at Trinity are organized under a vestry composed of members of the administration, faculty, and upperclassmen.

The Hillel Society is for members of the Jewish faith. A rabbi from one of the local synagogues works closely with the group.

The Newman Club is for members of the Roman Catholic Church. The activities of this organization are under the sponsorship of a priest from one of the local parishes.

The Christian Association is for Baptists, Congregationalists, Lutherans, Methodists, Presbyterians, and other Protestant Communions. A member of the Greater Hartford Council of Churches helps coördinate the work of this group.

To assist the Chaplain in matters of concern to the whole Campus, there is an inter-faith council called The Chapel Cabinet, composed of representatives of the four religious groups.

STUDENT HEALTH

The College maintains a student health service for all full-time, regularly-enrolled students. The College Medical Director is on duty in the medical offices for tentative diagnosis between 8:30 and 10:00 a.m. and between 1:00 and 2:00 p.m. Monday through Friday, and between 8:30 and 10:00 a.m. on Saturday. At other times a medical aide is in attendance at the medical office and keeps the college physician informed of whatever has happened.

Students with colds and other minor illnesses are cared for in the college infirmary. Facilities of nearby Hartford Hospital are utilized when hospitalization is necessary. The College does not assume responsibility for illnesses or injuries of any kind to students regardless of how they are incurred. All students enrolled during the regular academic year are covered by a compulsory insurance policy which provides accident, health, and catastrophe benefits. Claims for benefits under this program must be made on standard forms obtainable either at the Medical Director's office or at the Treasurer's office. Such claims should be filed within 7 days of the incident. The cost of this program is financed out of the General Fee. A booklet describing this insurance program is distributed to each new student upon entrance.

In emergency, prompt notification is sent to parents; but, if parents cannot be reached, the college authorities reserve the right to act as seems best for the welfare of the student concerned.

In case of illness or injury, resident students are required to report at the college medical office early in the morning or to request a visit by the college physician when they are physically unable to go to the office.

Non-resident students should report injury or illness by telephone (JA 7-1065) before 9 a.m. if they are thereby unable to attend college. Before attending classes on the day of return, a non-resident student must leave a written notice of his return at the medical office on a form supplied for this purpose. Within one week he must present a statement from his physician or parents stating the nature and duration of the illness, also on a blank provided for this purpose.

A consultant psychiatrist is available for evaluation, diagnosis and recommendations in cases of emotional or situational problems.

PHYSICAL EDUCATION

The program in athletics and physical education is under the supervision of the Director of Physical Education, to whom all students are required to report on entering college.

Athletic activities in which the students may participate are divided into three classifications: intercollegiate athletics, intramural athletics, and physical education.

All regularly enrolled students are required to report for physical education three periods each week during their freshman and sophomore years. Details of these requirements are given in the section, *Courses of Instruction, Physical Education*.

Soon after admission, the College Medical Director makes a study of the medical record of each student as indicated by the reports submitted by the student's own doctor. Whenever it seems desirable, limited or special exercises are prescribed. The Medical Director has medical supervision of all candidates for athletic teams.

Trinity carries on a full program of intercollegiate athletics with colleges of similar size and standards. Competition is held in the following sports: football and soccer in the fall; basketball, swimming, and squash racquets in the winter; and baseball, track, golf, lacrosse, and tennis in the spring. Freshman teams are organized in all recognized sports. In addition, an informal intercollegiate schedule is arranged in sailing, fencing, and cross country. The governing body for intercollegiate athletics is the Athletic Advisory Council composed of three undergraduates elected by the students, three alumni elected by The Alumni Association, and three members of the faculty.

All students become members of the Trinity College Athletic Association when they pay their regular tuition. This entitles them to admission to all home athletic contests and permits them to try out for athletic teams, if they are academically eligible. Trinity maintains a full-year freshman rule, a full-year transfer rule, and a three-year varsity rule.

The intramural program is designed to provide athletic competition for as large a group as possible. Intramural sports include touch football, basketball, swimming, wrestling, squash racquets, golf, track, table tennis, tennis, softball, and volleyball.

DORMITORY FACILITIES

Most of the dormitories are arranged in large, three-room suites which accommodate two or more students each. There are also a number of single and double rooms in dormitories. Fireplaces in many suites are an attractive heritage from Trinity's past, but fire regulations now prohibit their use. Each room is equipped with essential articles of furniture: bed, mattress, bureau, desk, and chair. Students provide their own rugs, reading lamps, pillows, blankets, linens, and any occasional furniture desired.

All Trinity students who are not residents of Greater Hartford are required to live in the college dormitories or in fraternity houses.

STUDENT COMMONS FACILITIES

The Mather Student Center maintains the main Dining Hall of the College. All resident Freshmen are required to eat in the Dining Hall which serves three meals a day except Sunday. Service is cafeteria style except for special occasions. The Snack Bar serves light meals daily and is also open for Sunday dining.

Student Lounges for both resident and non-resident students are contained in the Student Center. Lounges are also located in Goodwin, Seabury, Cook, Elton, and Jones Halls.

The College Post Office, located on the lower level of the Student Center, provides complete postal service.

Opposite the Post Office is the Trinity College Bookstore, which handles books, gym supplies, notions, and novelties.

A campus laundry and cleaning service is located in Cook Dormitory.

FRATERNITY HOUSES

Ten national social fraternities maintain active chapters at Trinity. They are: Alpha Delta Phi, 122 Vernon Street; Delta Psi, 340 Summit Street; Delta Kappa Epsilon, 98 Vernon Street; Psi Upsilon, 81 Vernon Street; Alpha Chi Rho, 114 Vernon Street; Delta Phi, 70 Vernon Street; Sigma Nu, 78 Vernon Street; Theta Xi, 79 Vernon Street; Pi Kappa Alpha, 94 Vernon Street; and Phi Kappa Psi, 118 Vernon Street. Each fraternity maintains its own chapter house and dining facilities. Freshmen are not eligible for fraternity membership.

Fraternities cooperate in campus life through an Interfraternity Council composed of representatives of alumni and students of each chapter. Procedures for pledging of students are regulated by the council. A cup for high scholarship is awarded each year to stimulate competition for academic honors among fraternities.

INDEPENDENT SOCIAL ORGANIZATIONS

For students who do not wish to join a fraternity but desire to be in a social organization there is the Brownell Club. All non-fraternity men except freshmen are eligible for membership in this organization, which has clubrooms in the Campus Cottage.

An informal group of students, composed of non-fraternity men in the upper classes, was organized during the academic year 1956-57. This group, known as the Independents, has been active in sponsoring a number of social activities for all college students and holds informal dinner meetings Wednesday evenings in Cook Lounge.

STUDENT ACTIVITIES

Student activities, an important part in Trinity's educational program, serve as laboratories for leadership, executive techniques, and some vocations.

The functions of the Senate and Medusa are described above under *Student Government*. The Sophomore Dining Club, organized in 1897, is an honor society whose members act as official student hosts.

Musical organizations include a Chapel Choir, Band, Glee Club, Chamber Group, Society of Carillonners, Society of Student Organists, the Bishop's Men, and the Pipes Octet. Each spring an intramural singing contest is held for all social organizations.

Under the direction of the Department of Music a number of recitals and special musical services, with visiting artists and choruses, are held in the Chapel each year.

The Glee Club sponsors several joint concerts with nearby women's colleges and one extended trip during spring vacation to present concerts arranged by Trinity Alumni in various localities.

Opportunities for literary expression are provided by the various student publications. The "Trinity Tripod," a newspaper published weekly by the students, has been serving Trinity students since 1904. The college yearbook, called the "Trinity Ivy," is published each June in honor of the graduating class. A campus literary magazine, the "Review," offers a critical market for prose and verse compositions and drawings of Trinity students. The "College Handbook" contains all the College Regulations, The Senate and the Interfraternity Council constitutions, rushing rules, pictures of freshmen, athletic schedules, and information on student activities.

Radio has become a popular activity in the past few years. Students now operate Station WRTC-FM from the studios in Cook Dormitory.

The Jesters have won a reputation for excellence among collegiate dramatic groups in the East. Their arena style performances at the College have received much favorable comment from dramatic critics.

The Atheneum Society, one of the oldest college organizations, debates current economic and political questions in intercollegiate and interclub competition. Membership is open to all students who are interested

in speech work. The Atheneum has broadened its program to offer speakers and round table panel discussions to local schools and civic organizations.

Students have also organized clubs paralleling classroom interests. These include Education Club, Engineering Club, Political Science Club, the Physics Club, Psychology Club, the Spanish Club, the Pre-Medical and Science Club. Other student activities include a Camera Club, a Rifle Club, a Varsity "T" Club, and a Sailing Club.

COLLEGE LECTURES

A series of addresses by distinguished visitors is arranged each year by a standing committee of the faculty. This regular college lecture program has been broadened by the generosity of several alumni and friends of the College who have established endowed lectures in various fields of learning.

ENDOWED LECTURES

Moore Greek Lecture – Through the bequest of Dr. Charles E. Moore, '76, to encourage the study of Greek, an all-college lecture is presented annually on classical studies. Recent lecturers have been Henry Rowell, Raphael Demos, Gilbert Highet, and Moses Hadas.

Mead Fund – Through the bequest of George J. Mead, H'37, an annual lecture is presented by a distinguished authority in History, and conferences and special events are held on varied topics in Government and Economics. Some recent lecturers in History have been Allan Nevins, Conyers Read, Crane Brinton, and John A. Krout.

Barbieri Lectures – A gift from the Cesare Barbieri Endowment provides for two public lectures a year by outstanding persons on some aspect of Italian Studies.

George M. Ferris Lecture – Through an endowment fund established by George M. Ferris, '16, the George M. Ferris Lecturer in Corporation Finance and Investments presents one public lecture each year in that field.

SOCIAL LIFE

Trinity's location in a cultured city surrounds the college with social opportunity: events from symphony performances to stage plays, a large community of alumni and friends of the College, students in two women's colleges and several other schools, and the city's many recreational facilities. Hartford itself is at the center of "college valley" as the Connecticut River area is sometimes called and there are a number of men's and women's colleges within easy travelling distance of the campus.

There are five major social weekends at the college: those of the Junior Prom, the Senior Ball, the Sophomore Hop, the Interfraternity Ball, and the Military Ball. In addition, there are numerous lesser all-student social events and many fraternity and club parties.

The Freshman Executive Council, aided by the Director of the Mather Student Center, supervises class social affairs such as dances and parties with freshmen of women's colleges, secondary school seniors, and student nurses.

Courses of Instruction

EACH course, unless otherwise specified, meets three hours a week throughout the year and gives six semester hours of credit. One semester hour represents one classroom meeting per week for one semester. Semester hours are recorded only for the benefit of graduate and professional schools. Certain elementary language courses may be given six times a week during one term and will count as double courses for purposes of determining proper academic loads.

Courses are identified by numbers ranging from 101 to 499; those courses from 101 to 199 are primarily for Freshmen; from 201 to 299 primarily for Sophomores; from 301 to 399 primarily for Juniors; and 401 to 499 primarily for Seniors.

A course number indicates a semester of work. An odd number represents a half-course (three semester hours) offered in the Christmas Term (Sept.-Jan.), while an even number represents a half-course offered in the Trinity Term (Feb.-June). In case a course is offered in a term different from the one indicated by its number, the fact is noted by an additional number in parentheses.

An indivisible course is numbered 101-102, six semester hours, and a divisible course 101, 102 with each half-course counting three semester hours, except where otherwise noted.

The symbols [] mean that a course is not being offered in the current year.

Summer School and Graduate Courses use the same numbering system except that the letter "s" precedes the summer session courses and all graduate courses are numbered from 501-699.

The word *course* as used in degree requirements signifies the equivalent of one year of work in a subject, amounting to six and in some cases to eight semester hours.

A *half-course* meets for only one semester and carries credit amounting to three and in some cases to four semester hours.

A *double course* is a full year course that is completed in one term. It requires twice as much time as a regular course and it counts as *two courses* for purposes of determining fees and academic standing.

In addition to the regular courses of instruction, arrangements are made from time to time, at the convenience of the instructors, for voluntary studies in such subjects as may profitably be pursued by undergraduates; but no voluntary study may be counted towards satisfying the requirements for any degree.

AIR SCIENCE

PROFESSOR OLNEY; ASSOCIATE PROFESSORS MEE, LA MAR, TRACY, AND REGAN

101-102. Foundations of Air Power 1 – eighteenth century to the present, including basic aeronautical science and the
A survey of air power from the late

organization and operation of the military arm of the Federal Government. Leadership Laboratory. Four sections. Sections will not exceed twenty students without permission of the instructor. – Major Lamar.

201-202. Foundations of Air Power 2 – An analysis of targets, weapons, aircraft, missiles, bases, and operations. Operations in Space, astronautics and its applications. Leadership Laboratory. Three sections. Sections will not exceed twenty students without permission of the instructor. – Major Mee.

[301-302. The Air Force Officer in The Air Age] – Leadership and Personnel Management; creative problem solving;

effective speaking and writing; techniques of learning and instructing; military law, courts and boards; preparation for summer camp. Leadership Laboratory. Two sections. Sections will not exceed twenty students each without permission of the instructor. (To be given 1961-62) – Colonel Olney and Major Tracy.

401-402. Leadership and Air Power Concepts – Air Navigation and Basic Meteorology; military aspects of world political geography; foundations of national power; briefing for commissioned service. Leadership Laboratory. Two sections. Sections will not exceed twenty students without permission of the instructor. – Colonel Olney and Major Tracy.

ANTHROPOLOGY

(See Department of Psychology)

BIOLOGY

PROFESSOR BURGER; ASSOCIATE PROFESSOR VAN STONE; MR. CAGLE

BIOLOGY MAJOR – (Effective with the Class of 1962)* Pass with a grade of 70: Biology 201-202 (101-102 with a grade of 80); 301-302; 401; 402; 403; 404. One course in chemistry or mathematics or physics other than the course in mathematics and the course in natural science used to satisfy the basic degree requirements. For the major no course in Biology can be used to satisfy the basic degree requirements. It is strongly recommended that Organic Chemistry be taken.

101-102. Principles of Biology – A survey of the biological world, zoological and botanical, with emphasis on man and with an attempt to relate the biological sciences to human culture and history. Satisfies a basic degree requirement. A grade of 80 is required if used to satisfy a major requirement for Biology or Pre-medicine. Laboratory. – Mr. Cagle.

201-202. Introduction to Biology – A foundation course for those majoring or interested in further work in biology. Areas selected from zoology and botany

are covered with an attempt to go into depth in these areas rather than to cover superficially the whole range of biology. Some of the areas are: the cell, the species concept (taxonomy, biogeography, inheritance, and evolution), reproduction and development, selected phyla of the invertebrates (structure, physiology, parasitism), and botany which is handled in the traditional survey pattern. Vertebrate anatomy and physiology are omitted. Biology Majors and Pre-medical Majors should take this course. Laboratory. – Dr. Burger.

*Members of the Class of 1961:

Chemistry 305-6 now required can count as the required Chem-Math-Physics course. If this requirement is satisfied in other ways the course can be an elective, but is not required.

Biology 304 (Genetics), if taken at Trinity, can count for Biology 404 for the Class of 1961 only.

The new grade average is 70 in all major courses. For the Class of 1961 only, the old rule of 70 in 4 of 5 required courses will be in effect. A single 60 grade is allowed in Biology or in the required other math-science course, but not in both.

301-302. Comparative Vertebrate Anatomy and Embryology – This course combines in one integrated course the subject matter traditionally separated into Comparative Anatomy and Embryology, together with some emphasis on functional anatomy and microscopic theory and practice. Prerequisites: Biology 201-2 with grade of 70 or 101-2 with a grade of 80. Three two-hour periods a week. – Dr. Van Stone.

401. The Cell. – A study of the structure and function of the cell emphasizing biochemical and biophysical principles and the techniques and instrumentation employed to elucidate the various functions such as excitation and conduction, contraction, secretion, intermediary metabolism, photosynthesis, et al. Prerequisites: Biology 301-2 with a grade of 70 or permission. – Mr. Cagle.

402. Organizational Physiology – The properties of the cell and of various cell types were explored in Biology 401. In the living organism these properties are differentiated into organs with interlocking controls which adjust the organism to its various inner activities and to the external environment. The emphasis will be on organs, organ systems, and organisms rather than on cellular problems. Not,

however, a preview of medical physiology. Prerequisite: Biology 401 with a grade of 70 or permission in special cases. – Dr. Burger.

403. Growth and Development – With a prerequisite of descriptive embryology (Biology 301-2 with a grade of 70), the theories of growth and development as derived from experimental embryology are explored. Lectures will be supplemented by seminar reports and discussions. – Dr. Van Stone.

404. Seminar: Problems in Biology – Topics selected to round out the major will be investigated with heavy emphasis on student participation and use of original literature. Prerequisites: Biology 401, 403 with a grade of 70. – The staff.

405, 406. Advanced Study (Research) – The student will work on laboratory problems with the staff. Only in unusual circumstances will a library project be approved. Open to seniors who will be selected after written application. Ordinarily, the work of 405 will be spread over more than the Christmas Term. Biology 406 will be available for the few cases where it is impractical to concentrate the work in the Christmas Term. Only in unusual cases will credit be given for both 405 and 406. – The staff.

CHEMISTRY

PROFESSORS SMITH* AND SMELLIE; ASSOCIATE PROFESSORS WORRALL AND BOBKO; ASSISTANT PROFESSOR GILPIN; MR. SNIPES

CHEMISTRY MAJOR – Five and one-half courses in Chemistry, including Chemistry 303, Chemistry 304, Chemistry 305-306, Chemistry 407-408 and one advanced course from the following: Chemistry 311, 403, 404, 405, 406, 412, 509-510. Also required are Physics 221-222; German 111-112; and Mathematics 201, 202. A grade of 70 or better must be obtained in Chemistry 305-306 and Chemistry 407-408.

101-102. Elementary General Chemistry – The fundamental principles and concepts of chemistry. About fifteen elements and their more important compounds are covered. Special emphasis is paid to the importance of chemistry to modern everyday living. The course is intended for students who would like a general survey of the science of chemistry. However, it is not a terminal course. Elective for those who do not

offer chemistry on admission. – Dr. Bobko.

103-104. Advanced General Chemistry – A general study of the chemical properties and reactions of substances from the viewpoint of elementary principles of atomic and molecular structure. Elective for those receiving credit on admission. – Dr. Worrall and Mr. Snipes.

105-106. Theoretical Chemistry and

*On leave of absence Christmas Term 1960-61.

Qualitative Analysis – A short review of the principles of inorganic chemistry followed by a study of the physical chemistry of solutions as applied to analytical chemistry. A systematic study and separation of the common cations and anions; analyses of solid unknown mixtures. Elective for those receiving credit for chemistry on admission and who pass a placement examination held during Freshman Week. Open only to Freshmen. – Dr. Gilpin.

201. Qualitative Analysis – A semester course for those who have had one year of college chemistry. A systematic study and separation of the common cations and anions including physical chemistry of solutions as applied to analytical chemistry. Elective for those who have passed Course 101-102 or 103-104 with a grade of 70. – Dr. Gilpin.

209. Elementary Physical Chemistry – General survey of physical chemistry for pre-medical students. Atomic and molecular structure; properties of gases, liquids and solids; solutions, thermochemistry; equilibria; elementary electrochemistry; elementary colloid chemistry, radiochemistry. Elective for those who have passed Course 105-106 or 201 with a grade of 70. – Mr. Snipes.

210. Introductory Physical Chemistry – The three laws of thermodynamics and their application to problems in gases, thermochemistry, chemical equilibria, and one component phase equilibria. This course, which is integrated with Course 407-408 forms the first part of the regular three semester program in physical chemistry for chemistry majors. Same prerequisites as for 209. – Dr. Gilpin.

303. Volumetric Quantitative Analysis – Practice in volumetric methods and calculations. Lectures and laboratory work. Elective for those who have passed Course 105-106 or 201 with a grade of 70. – Dr. Smellie.

304. Gravimetric Quantitative Analysis – Lectures and laboratory work covering gravimetric procedures. Single determinations and complete analyses of brass and limestone. Determination of copper by electrolysis. Elective for those who have passed Course 105-106 or 201 with a grade of 70. – Dr. Smith.

305-306. Elementary Organic Chemistry – A systematic study of the compounds of carbon in both the aliphatic and aromatic series, their synthesis, properties, structures and uses. Elective for those who have passed Course 303 or 304 with a grade of 70. – Dr. Bobko.

311. Selected Topics in Inorganic Chemistry – Atomic structure and isotopes; methods for determining the structure of molecules; coordination complex compounds; recent advances in chemistry of certain metals and non-metals; reactions in liquid ammonia and liquid sulfur dioxide. Elective for those who have passed Course 209 or 210 with a grade of 70. – Dr. Smellie.

[402. Advanced Organic Chemistry] – Selected topics in the organic and physical chemistry of biological reactions. Carbohydrates, fats, proteins. Reaction mechanisms. Thermodynamics and kinetics of selected biochemical systems. Mechanism of enzymes. Elective for those who have passed Courses 305-306 and 209 with a grade of 70 in each. 3 lectures per week.

[403, 404. Advanced Organic Chemistry] – An extension of Course 305-306 to include important synthetic methods, the use of chemical literature, application of physical methods to the study of organic compounds, the theory of valence, organometallic compounds, the structure theory, isomerism, molecular rearrangements, and other similar topics. Lectures and coordinated laboratory work. Elective for those who have passed Course 305-306 with a grade of 70.

405. Qualitative Organic Analysis – A study of systematic methods for the qualitative identification of organic compounds, including treatment of both individual compounds and mixtures. Elective for those who have passed course 305-306 with a grade of 70 or better. Lectures and coordinated laboratory work. – Dr. Worrall.

406. Physical Organic Chemistry – Topics in the theory of organic reaction mechanisms with emphasis on the experimental development of current theories. Elective for those who have passed course 305-306 with a grade of 70 or

better. Lectures and laboratory work of a research nature. - Dr. Worrall.

407-408. Physical Chemistry - A comprehensive course in physical chemistry integrated with and designed to follow Chemistry 210. Review of thermodynamics; molecular structure and physical properties; solutions; kinetic theory; chemical kinetics and catalysis; electrochemistry; elements of quantum chemistry; introduction to chemical statistics. Elective for those who have passed Course 210 with a grade of 70, Physics 221-222 and Mathematics 201, 202. - Dr. Smellie and Mr. Snipes.

412. Instrumental Analysis - A laboratory course in the theory and application of instrumental methods to chemical analysis. Spectrograph; qualitative and quantitative spectroscopy; visible and ultraviolet-spectrophotometer; absorption spectra and quantitative spectrophotometry; polarograph; polarizing microscope; potentiometric and conductance titration

methods; radioactive tracer methods. Elective for Senior chemistry majors with permission of instructor. - Dr. Smellie.

[509-510. Advanced Physical Chemistry] - Topics in chemical physics investigated from a mathematical and physical point of view. These topics will include advanced thermodynamics, elementary applications of quantum and statistical mechanics to chemistry, and reaction kinetics. Elective for those who have passed Course 407-408 with a grade of 70, and Mathematics 201, 202 and 301.

601-602. Research - May be elected for 6 semester hours. Elective for graduate students. - Dr. Smith, Dr. Smellie, Dr. Worrall, Dr. Gilpin, Dr. Bobko, and Mr. Snipes.

603-604. Research - May be elected for 6 semester hours. Elective for graduate students. - Dr. Smith, Dr. Smellie, Dr. Worrall, Dr. Gilpin, Dr. Bobko, and Mr. Snipes.

CLASSICAL LANGUAGES

PROFESSOR NOTOPOULOS; ASSOCIATE PROFESSOR MERRIMAN;
DR. BEACH, LECTURER IN LATIN

CLASSICS MAJOR - Five courses are required for the major. Four courses in both Greek and Latin, one of which must be beyond Greek 201 or Latin 121-122; and an additional course in Greek or Latin, or six semester hours chosen from the following: Classical Civilization 204; Fine Arts 208; History 203, 204; Philosophy 307, 309.

Greek

101-102. Elementary Greek - A full course completed in one term, elective for all classes. This intensive course, which is designed for those who begin Greek in college, meets six times a week and completes a year of Greek in the Christmas term. The aim of this course is to enable the student to read Greek as soon as possible. Significant selections from Greek literature are used as the basis for the learning of grammar, of vocabulary, and for the practice of composition. Six hours. - Mr. Merriman.

112. Intermediate Greek - A rapid reading of selected Attic prose. This course, which follows the intensive course in elementary Greek, meets three times a week

in the Trinity term. A fourth hour is devoted to practice in oral and sight reading, and to composition. Four hours. - Mr. Notopoulos.

201. Introduction to Greek Prose - Selections from the Greek historians, philosophers, and orators. The course meets three times a week, with a fourth hour for additional practice in reading and composition. Elective for those who have taken Greek 112. Four hours. - Mr. Merriman.

202. Plato - This course is designed to give a portrait of the life and thought of Socrates as presented in Plato's *Apology* and in selections from the *Dialogues*. Lectures and collateral reading on Pla-

tonism and some aspects of the Platonic Tradition. Three times a week and a fourth hour for additional practice in reading and composition. Elective for those who have taken Greek 201. Four hours. — Mr. Notopoulos.

301-302. Advanced Readings in Greek — The material of this course is changed every year according to the desires and needs of the class. Three times a week and a fourth hour for additional practice

in reading and composition. Elective for those who have taken Greek 201, 202. In 1960-61 the subjects are Hesiod and Greek Lyric Poetry; Greek Drama. Eight hours. — Mr. Notopoulos and Mr. Merri-man.

Tutorial in Greek — Tutorial instruction is open to candidates who are capable of independent honors work. Application for such instruction must be approved by the Chairman of the Department.

Latin

101-102. Elementary Latin — This course, designed for those who begin Latin in college, meets four times a week and is elective for all classes. Its aim is to enable the student to read Latin as soon as possible. Significant selections from Latin literature are used as the basis for the learning of grammar, of vocabulary, and for the practice of composition. Eight hours. — Dr. Beach.

111-112. Rapid Review of Latin Fundamentals; Readings in Latin Prose and Poetry. This course is designed to meet the need of students who wish to refresh their knowledge of Latin grammar and vocabulary and to develop a facility in reading Latin prose and poetry. After an intensive review of Latin grammar selections from Latin prose and Virgil's *Aeneid* will be read. Three times a week with a fourth hour for additional practice in oral and sight reading and composition. Elective for those who have offered two or three units of Latin at entrance; or have taken Latin 101-102; or have offered such other preparation as the instructor may approve. Eight hours. — Mr. Notopoulos and Mr. Merriman.

121-122. Introduction to Latin Literature — An introduction to the important writers of the Republic and early Empire, with a study of their historical backgrounds, and their influence. Three times a week, and a fourth hour for additional practice in reading and composition. Elective for those who have offered three or four units of Latin at entrance or who have taken Latin 111-112. Eight hours. — Mr. Notopoulos and Mr. Merriman.

201-202. Advanced Readings in Latin — The material of this course is changed every year according to the desire and needs of the class. Three times a week, with a fourth hour for additional practice in reading and composition. Elective for those who have taken Latin 121-122. In 1960-61 the subjects are Catullus; Horace. Eight hours. — Mr. Notopoulos and Mr. Merriman.

Tutorial in Latin. — Tutorial instruction is open to candidates who are capable of independent honors work. Application for such instruction must be approved by the Chairman of the Department.

Classical Civilization

The following courses presuppose no knowledge of Greek and Latin:

[201-202. Classical Humanities] — A study of Greek and Roman civilizations through readings in, and discussion of, a limited number of masterpieces in classical literature, history, philosophy, and science which have contributed most significantly to our own civilization. (To be given in 1961-62) — Mr. Notopoulos and Mr. Merriman.

204. Mythology — A study of classical mythology essential to the understanding and appreciation of literature and art. Two lectures per week and one period devoted to a discussion of patterns of myth and the way they find expression in works of literature and art. — Mr. Notopoulos.

[401, 402. Seminar] — Prerequisite: Juniors and Seniors with permission of instructor.

ECONOMICS

PROFESSOR TOWLE; * ASSOCIATE PROFESSORS SCHEUCH AND TUCKER;

ASSISTANT PROFESSORS DUNN AND BATTIS; MR. CURRAN

ECONOMICS MAJOR – Five courses in the Department, including Economics 401-402 and Economics 430.

201-202. Introduction to Economics – The fundamental facts and principles of the production, exchange and distribution of wealth, and the nature and determination of the national income are followed by a more detailed examination of special subjects, such as money and banking, international trade, public finance, industrial combinations, public utilities, labor problems, and socialism. – Dr. Scheuch, Dr. Dunn, Dr. Battis, and Mr. Curran.

203-204. Principles of Accounting – A study of the accounting concepts and techniques involved in satisfactory administration of the economic activity of the business enterprise: books of record; accounts; fiscal period and adjustments; working papers; form, preparation, and interpretation of financial statements; followed by an intensive and critical study of the problems of valuation as they affect the preparation of the balance sheet and income statements. Elective for Sophomores, Juniors, and Seniors. – Mr. Tucker.

301-302. Money and Banking – Nature, significance and functions of money; monetary standards; commercial bank operations; Federal Reserve System; Treasury and the money market; foreign exchange and international finance; theory of prices; national income analysis; business fluctuations. Elective for those who have taken Economics 201-202. – Dr. Towle.

303. Labor Problems – A study of labor problems growing out of modern economic arrangements: economics of wage determination in theory and practice; hours; unemployment; role of the state in protecting workers, especially with regard to social security; history of the labor movement. Elective for those who have taken Economics 201-202. – Dr. Scheuch.

304. Labor Relations – Trade-union structure and government; collective bargaining and its issues (union shop; hiring, promotion, and discharge; technological changes; etc.); collective bargaining experience in selected industries; industrial disputes; unions and politics; government control of labor relations. Elective for those who have taken Economics 303; others admitted by consent of the instructor. – Dr. Scheuch.

306. Public Finance – A study of the growth of government expenditure and government revenues. Classical and contemporary theories in public finance and their application to budget policy. The economic analysis of particular problems suggested by the rate structure, incidence, and effects of particular taxes and subsidies upon resource allocation. Compensatory finance and economics of fiscal policy. Christmas Term. Elective for those who have taken Economics 201-202. – Dr. Dunn.

308. Government and Industry – An examination of special aspects of the role of government in a free enterprise system. The general criteria for public policy regarding resource allocation and income distribution are developed and a critical evaluation of agricultural, public utility, anti-trust, and other policies relating to industrial organization is undertaken. Elective for those who have taken Economics 201-202. – Dr. Battis.

309. Corporation Finance – The development of the business unit; corporate organization and control; corporation securities; valuation and promotion; administration of income; expansion; financial readjustments. Elective for those who have taken Economics 201-202. – Mr. Tucker.

311. Statistics – Nature and importance of statistics; collection and sources of data; tabular and graphic presentation

*On leave of absence Trinity Term 1960-61.

of data; ratios; introduction to index numbers; the frequency distribution; measures of central tendency; measures of variability; the normal curve of distribution; elementary sampling theory; introduction to time series analysis; simple linear correlation. – Mr. Curran.

315-316. International Trade and Commercial Policy – The balance of international payments; foreign exchange and international finance; international trade theory; balance of payments adjustment; trade restrictions; foreign investment; control of raw materials; international cartels; economic development. Elective for those who have passed Economics 201-202. – Dr. Towle.

[323. Comparative Economic Systems]
– An analysis and comparison of the aims,

organization, operation, and controls of capitalism, socialism, communism, and fascism. Prerequisite: Economics 201-202.

401, 402. Economic Analysis – Christmas Term: Modern economic theory of pricing, distribution and national income. Trinity Term: The development of economic thought from the Greeks through Alfred Marshall. Prerequisite: Economics 201-202. Required of Economics majors in their Senior year. Others admitted by consent of the instructor. – Dr. Towle and Dr. Dunn.

430. Thesis – The undertaking of and written report on a research project. No class meetings, but periodic conferences with the thesis supervisor. Required of all seniors majoring in economics. – The staff.

EDUCATION

ASSOCIATE PROFESSORS HERDMAN AND MORRIS;*

ASSISTANT PROFESSOR ESTARELLAS; MR. DONAHOO

Students who anticipate a career in Secondary School teaching should confer during their freshman and sophomore years with the head of the Department concerning the various State certification requirements.

371. Introduction to the History of Education – A survey of the basic ideas, institutions, and practices of education in the Western world from the earliest times to the present, with emphasis on the importance of these historical developments for contemporary education. – Mr. Donahoo.

372. Introduction to the Philosophy of Education – A critical examination of the diverse tasks assigned to education, including a careful analysis of terms and concepts used in education, their sources, and the relation of theory to practice. – Dr. Morris.

373. Educational Psychology, Psychology of Childhood and Adolescence – A study of physical, emotional, social, and intellectual growth during childhood and adolescence with particular emphasis upon developmental characteristics which are of significance to the educator. Prerequisite: Psychology 141. – Dr. Herdman.

374. Educational Psychology, Psychology of the Teaching-Learning Process – A study of the nature and conditions of school learning, including the development of motor skills, perception, understanding, attitudes, and ideals. Prerequisite: Psychology 141. – Dr. Estarellas.

475. Principles and Methods of Secondary Education – A study of secondary school aims, curricula, and teaching methods as they grow out of the characteristics and needs of adolescents in contemporary American society. – Dr. Estarellas.

476. Evaluation and Guidance in the Secondary School – A study of the guidance aspects of secondary school teaching, including the preparation and use of classroom tests, the administration of common standardized tests and interpretation of their results, and the application of evaluative data to problems of selection, grouping, and teacher counseling. – Dr. Herdman.

*On leave of absence Christmas term 1960-61.

491-492. Student Teaching — A laboratory course of supervised observation and teaching experience in cooperation with nearby secondary schools. The student must be able to spend in the school a minimum of one-half of a secondary school day for at least eight weeks, and

must ordinarily observe or teach approximately 140 school periods. Christmas or Trinity Term. Prerequisite: A course in Education, senior or graduate standing, and permission of instructor. — Dr. Herdman, Dr. Morris, Dr. Estarellas, and Mr. Donahoe.

ENGINEERING

PROFESSOR NYE; ASSOCIATE PROFESSORS KRAFT, BLAKESLEE, AND
SAPEGA; ASSISTANT PROFESSOR REINHART

ENGINEERING MAJOR — Mathematics 201, 202; 301; Chemistry 101-102 or 103-104 or 105-106; Physics 121-122; 221-222; Engineering 131, 132; 227-228; 331, 332; 333, 334; 337-338. A grade of 70 or better must be obtained in the required Physics, Mathematics, and Engineering courses. A student who wishes to prepare himself for architectural school is advised to consult the chairmen of the Fine Arts and Engineering Departments.

131. Engineering Drawing — Lettering, use of instruments, geometrical construction, working drawings, elementary free hand sketching, pictorial representation, screw threads, and machine fastenings. — Mr. Reinhart.

132. Descriptive Geometry — The purpose of this course is to develop a working facility in solving the basic geometrical problems of engineering, and to give training in spatial visualization. Studies are offered in determination of distances, angles, intersections of lines, planes, and surfaces. Two lectures and two periods of drawing. Elective for those who have taken Engineering 131 and Mathematics 105 or 103, 104. — Mr. Reinhart.

227-228. Applied Mechanics — This course stresses graphical solutions and the theory leading up to and including the dynamics of rotating bodies; also prepares for advanced structural courses and kinematics of machinery. It stresses the engineering approach to the subject matter. Prerequisites: Mathematics 105, 106; Physics 121-122 and currently taking Mathematics 201, 202; Physics 221-222. — Mr. Kraft.

235-236. Surveying — Principles of surveying, covering the use of the tape, compass, level, transit, and plane table; laying out of traverses, including use of stadia; azimuth by solar observations; mapping of a section of the campus, curves and earthwork; more field work

in the use of instruments. Required for students intending to follow civil and electrical engineering. — Mr. Blakeslee.

321. Advanced Drawing and Mechanisms — Detail and assembly drawings; manufacturing processes; kinematics of machines. Prerequisites: Engineering 131, 132; 227-228. — Mr. Blakeslee.

331. Elements of Electrical Engineering — Analysis of electrical circuits including d.c. networks, single and polyphase a.c. circuits, lectures and laboratory. Prerequisites: Physics 221-222; Mathematics 201, 202. — Mr. Sapega.

332. Elements of Electrical Engineering — Study of electrical machinery and equipment. Lectures and laboratory. Prerequisite: Engineering 331. — Mr. Sapega.

333. Engineering Materials — A study of the manufacture and properties of ferrous and nonferrous alloys, cements, clay products, protective coatings, fuels, and water softening. Laboratory work will illustrate the effects of mechanical workings, heat treating, and welding on the microstructure and physical properties of carbon and alloy constructional and tool steels, proportioning of concrete, and physical characteristics and properties of wood. Three lecture-recitation periods and one laboratory period per week. Prerequisite: one year of Chemistry. — Mr. Sapega.

334. Strength and Elasticity of Ma-

terials — A study of the stresses and deformations in tension and compression members, riveted and welded joints, shafts, beams and columns. Three recitations per week. Prerequisite: Math. 201, 202; Physics 221-222; Engr. 227-228; 333. — Mr. Sapega.

335. Fluid Mechanics — The fundamentals of fluid flow and its application to hydraulic machinery and structures. Three recitation periods and one laboratory period per week. Prerequisite: Engr. 227-228. — Mr. Blakeslee.

337-338. Thermodynamics and Heat Power — A study of the fundamentals of thermodynamics and the reciprocal conversions of heat and work accomplished through the media of various prime movers and their auxiliary equipment. Fuels and combustion, steam boilers and their accessories, steam engines and turbines, internal combustion engines of various types, pumps and air compressors, heat transmission, air conditioning and refrigeration. Field trips. Prerequisite: Physics 221-222 and Mathematics 201, 202. — Mr. Nye.

341. Architectural Drawing I — Theory of orthographic, isometric, and oblique projections; technique of presentation required in architectural practice; the conventions of shades and shadows; the general theory of geometrics and its application to architectural perspective drawings. Prerequisites: Fine Arts 201-202. Offered both semesters. — Mr. Reinhart.

431. Transportation — A study of American Transportation from the points of view of carriers, shippers and public authorities; theory of rates; development of regulation; operations and services; administrative considerations; national policy. Open to Seniors. — Mr. Kraft.

432. Economics of Engineering — Costs of structures and industrial operations; interest; depreciation, replacement, valuation; financing engineering enterprises; graphical methods of analysis; capacity; load and future demand factors. Open to Seniors. — Mr. Kraft.

451. Engineering Analysis — A study of applied professional methods to the solution of physical problems involving math-

ematics, physics and mechanics. To train an ability to apply analytical techniques, both mathematical and intuitive. Analysis of publications in the technical field. Prerequisite: Math. 302; Physics 222. — Mr. Nye.

452. Energy Conversions — The development of power plants from the standpoint of design construction and performance particularly based upon the various media, such as water-power, thermal and nuclear energy. Prerequisite: Engr. 338. — Mr. Nye.

461-462. Advanced Circuit Analysis — Review of elementary circuit theory; networks, Fourier Series; Fourier integral; Laplace transforms; unbalanced three-phase circuits; transmission lines; microwaves. Prerequisites: Engr. 331, 332. — Mr. Sapega.

463. Electric and Magnetic Fields — (Physics 401 may be substituted for this course.) Principles of electric and magnetic fields; field mapping; properties of magnetic materials, design problems. (Use Physics 401.)

464. Electric Machines and Control — Advanced analysis of rotating machines. Introduction to automatic control concepts. — Mr. Sapega.

471. Advanced Mechanics and Vibrations — A fundamental study of dynamics and vibration theory as related to machines. Modern analytical and experimentation methods applied to systems having one or more degrees of freedom. Prerequisites: Engineering 321, 338. — Mr. Blakeslee.

472. Heat Transfer — Fundamental principles of heat transfer; solution of problems in conduction, free and forced convection; radiation dimensional analysis; applications in air-conditioning refrigeration. — Mr. Blakeslee.

473. Advanced Strength of Materials — Analysis of stresses and strains in machine elements; thermal stresses; study of air-plane structures; torsion. — Mr. Blakeslee.

474. Problems in Machine Design — Application of principles to design of machines and their members, combined stresses; fatigue, lubrication and bearings. — Mr. Blakeslee.

483-484. Thesis and Experimental Work – The purpose of the thesis is to give students an opportunity to focus their knowledge upon a problem in their chosen field that will test their maturity

and initiative. At the proper time, the thesis is to be presented to the department and must be completed satisfactorily before a degree will be granted. – The staff.

ENGLISH

PROFESSORS GWYNN, ALLEN, AND MCNULTY; ASSOCIATE PROFESSORS CAMERON, WILLIAMS, DANDO, AND NICHOLS; ASSISTANT PROFESSORS RISDON, BENTON, POTTER, AND MINOT; MR. SMITH

ENGLISH MAJOR – For Class of 1961 and optional for Class of 1962: four courses in the Department beyond English 101, 102, two of which must be advanced courses in literature (courses in the 300's, 400's, or 500's), including Seminar 491, 492. English 221 does not count as a major course. Either English 241, 242 or 243, 244, but not both, may count as a major course.

Optional for Class of 1962; required for Class of 1963 and thereafter: ten half-courses in the Department beyond English 101, 102, plus one half-course in Fine Arts or Music, chosen from the list below. (English 221 does not count as a major course.) Recommended: at least one half-course in a Classical or Modern literature other than English, and at least one half-course in Philosophy or Religion. Honors candidates must write a satisfactory thesis, and must receive certain grades in major courses and in a General Examination.

Required Half- courses

Subject Groups

Course Numbers

(Note: One course satisfies only one subject requirement.)

2 from	Survey of British Literature . . .	241, 242
1 from	American Literature	245, 246, 364, 375, 376, 575, 576
1 from	Genre	371, 372, 373, 374, 377, 378
1 from	Period or Movement	357, 359, 360, 361, 362, 363, 364, 375, 376
		557, 558, 559, 560, 561, 562, 563, 564, 575, 576
1 from	Major Writer	358, 381, 382, 553, 554, 581, 582, or a graduate course in a major writer
2 from	Seminar-Tutorial	491, 492
2 from	English Elective	201, 231, 243, 244, 275, 301, 401, 402, or other courses listed above
1 from	Fine Arts or Music	Fine Arts 101, 102; Music 103, 104

I. Composition, Speech, Dramatics, Language

No student may elect more than one course in English composition in any one term.

101, 102. Freshman English – Practice in writing, reading, and speaking, with emphasis on language and exposition in 101 and on literary understanding in 102. Fortnightly conferences. Required of Freshmen. – Dr. Allen, Dr. Benton, Dr. Cameron, Mr. Dando, Dr. Gwynn, Mr. Minot, Mr. Nichols, Dr. Potter, Mr. Risdon, Mr. Smith, and Dr. Williams.

201. Advanced Expository Writing –

Advanced practice in writing factual prose. Prerequisite: English 101, 102 with a grade of at least 70. Offered each term; not to be taken twice. – Mr. Risdon, Dr. Benton.

221. Public Speaking – Practice in preparing and delivering speeches. Prerequisite: English 101, 102. Offered each term; not to be taken twice. – Dr. Williams, Mr. Dando.

231. Dramatic Technique – A study of the theory, practice, and historical development of the productional elements of the theatre arts. – Mr. Nichols.

275. The English Language and Linguistics – A study of the nature of language and of linguistics, together with the development of the English language. Prerequisite: English 101, 102. – Dr. Allen.

301. Literary Writing – An introduction to the imaginative forms of writing; practice in the techniques and disciplines of

fiction and poetry. Critiques and discussion of both student and professional work. Prerequisite: English 102 with a grade of at least 80, or permission of the instructor. Not to be taken twice. – Mr. Minot, Dr. Potter.

401, 402. Advanced Literary Writing – Practice in the imaginative forms of writing; the techniques and disciplines of fiction and poetry. Critiques and discussion of both student and professional work. Open to Juniors and Seniors whose samples of writing show sufficient ability. – Mr. Minot.

II. Literature

241, 242. Survey of British Literature – A study of the most important writers of British prose and poetry from Anglo-Saxon times to the present, with attention to their historical and literary backgrounds. Lectures, prescribed reading, and exercises in interpretation and criticism. Prerequisite: English 101, 102. – Dr. McNulty and Mr. Dando.

243, 244. Survey of World Literature – A study of the modes and traditions of world literature in the light of environment, climates of opinion, and literary evolution. Prerequisite: English 101, 102. – Dr. Benton, Mr. Risdon.

245, 246. Survey of American Literature – A study in genesis, backgrounds, and critical significance, with emphasis upon the major writers from the seventeenth century to the present. Prerequisite: English 101, 102. – Mr. Smith.

[357. Seventeenth Century] – Bacon to Dryden. Studies of selections from the prose and poetry of the period. Prerequisite: English 241, 242; or 243, 244; or 245, 246; or, for Juniors and Seniors not majoring in English who have not had one of the survey courses, permission of the instructor.

358. Seventeenth Century – Milton. Detailed study of *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*. Lectures on Milton's prose and minor poems. Prerequisite the same as for English 357. – Dr. McNulty.

359. Eighteenth Century – The Age of Pope. A study of neo-classical concepts of

literature and society as revealed by the major writers of the period. Prerequisite the same as for English 357. – Dr. Williams.

[360. Eighteenth Century] – The Age of Johnson. A study of the decline of neo-classicism and of the development of romantic ideas of literature and society as exemplified in the major authors of the period. Prerequisite the same as for English 357.

[361. Nineteenth Century] – The Romantics. The poetry of Wordsworth, Coleridge, Byron, Shelley, and Keats. Prerequisite the same as for English 357.

[362. Nineteenth Century] – The Victorians. The poetry of Tennyson, Browning, Arnold, and Swinburne; the prose of Carlyle and Ruskin. Prerequisite the same as for English 357.

[363. Contemporary Literature] – British poetry and prose from 1900 to the present. Prerequisite the same as for English 357.

364. Contemporary Literature – American poetry and prose from 1900 to the present. Prerequisite the same as for English 357. – Dr. Gwynn.

371, 372. Survey of Drama – A survey of the forms and theories of drama from the beginnings to the present, with emphasis on the Golden Age in Greece, the Elizabethan period in England, and the contemporary period in Europe, England, and America. Prerequisite the same as for English 357. – Dr. Allen, Mr. Nichols.

[373, 374. *Survey of Fiction*] – A survey of the forms and theories of prose fiction from the beginnings to the present in England and America, with some attention to Continental and Russian types. Prerequisite the same as for English 357.

375. *Nineteenth-Century American Literature: The Romantics* – Studies in the prose and poetry of America from the turn of the century to the Civil War. Prerequisite the same as for English 357. – Dr. Cameron.

376. *Nineteenth-Century American Literature: The Realists* – Studies in the prose and poetry of America from the Civil War to the turn of the century. Prerequisite the same as for English 357. – Dr. Cameron.

377, [378]. *Survey of Poetry* – A survey of the forms and theories of poetry from the beginnings to the present, with emphasis on major British and American work. Prerequisite the same as for English 357. – Dr. Potter.

381, 382. *Shakespeare* – A course intended to give a reading knowledge of the more important plays. 381: comedies, five histories, and one tragedy. 382: six tragedies and two romances. Prerequisites: the same as for English 357; 381 is a prerequisite for 382. – Dr. Allen.

491, 492. *Seminar-Tutorial* – Group and tutorial discussion of independent read-

ing in a period, genre, or topic, together with thesis work. Required of Senior English majors. – Dr. Gwynn, Dr. McNulty, Dr. Potter, Dr. Williams, and Mr. Minot.

Note: Graduate courses supplementing the above list are open to undergraduate students who have received grades of 80 or higher in four half-courses at the 300 level. 553, 554 – Chaucer and His Age; 581, 582 – Shakespeare; 557 or 558 – Studies in the Renaissance; 559 or 560 – Studies in Neo-Classicism; 561 – Studies in Romanticism; 562 – Studies in Victorian Literature; 563 or 564 – Studies in Contemporary Literature; 575 or 576 – Studies in American Literature; 571 or 572 – Studies in Drama; 573 or 574 – Studies in Fiction; 577 or 578 – Studies in Poetry; 579 or 580 – Studies in Criticism; 591 or 592 – Studies in the History of Ideas; 593 or 594 – Studies in English Language and Linguistics; 501 or 502 – Advanced Literary Writing.

For 1960–1961, these include: 557 – Studies in the Renaissance: Seventeenth Century (Mr. Risdon); 560 – Studies in Neo-Classicism: The Age of Johnson (Dr. Williams); 561 – Studies in Romanticism (Dr. Benton); 562 – Studies in Victorian Literature (Mr. Risdon); 563 – Studies in Contemporary British Literature (Mr. Dando); 580 – Studies in Criticism (Dr. Benton); 575 – Studies in American Literature: Thoreau (Dr. Cameron); 582 – Studies in Shakespeare (Dr. Cameron).

FINE ARTS

PROFESSOR TAYLOR; ASSOCIATE PROFESSOR PAPPAS; MR. FERGUSON

FINE ARTS MAJOR – (A) *Art History*: four courses in the Department beyond Fine Arts 101, 102 but including Fine Arts 201-202 or 301-302 and one course in Music. (B) *Studio*: four courses in the Department, two of which shall be in studio work and two in art history beyond Fine Arts 101, 102, and one course in Music. A student who wishes to prepare himself for architectural school is advised to consult the chairmen of the Fine Arts and Engineering Departments.

101. *History and Appreciation of Art* – A survey of painting, sculpture, and architecture from the Pre-Classical periods to modern times. A basic course for the understanding and enjoyment of art, it analyzes and explains by means of lantern slides and photographs the technical and

aesthetic principles of the major visual arts. Ancient and medieval art is dealt with during the first semester. – Mr. Taylor, Mr. Pappas, and Mr. Ferguson.

102. *History and Appreciation of Art* – Renaissance and Modern Art are dealt

with during the second semester. Elective for all classes. — Mr. Taylor, Mr. Pappas, and Mr. Ferguson.

201-202. Introduction to Drawing and Painting — A study of the Fine Arts through practical work in various media. No previous training is necessary. Elective for those who have taken Course 101, 102 and for others with the consent of the instructor. — Mr. Pappas and Mr. Ferguson.

203. American Art — Arts of the American, Mexican, and South American Indians and the influence on them of European forms introduced by the Spaniards. Also, the influence of this primitive art on contemporary Mexican and American art. Prerequisite: Fine Arts 101, 102. — Mr. Ferguson.

204. American Art — Arts of the United States from Colonial times to the present. Sculpture, painting, and minor arts, with emphasis put on those of distinctively American character as compared with the work of American artists trained in Europe or influenced by European example. Prerequisite: Fine Arts 101, 102. — Mr. Ferguson.

207. Medieval Architecture — The objective of this course is to trace the origin and development of medieval architecture. It includes a consideration of certain aspects of Roman, early Christian, and Byzantine architecture, though most of the course is concerned with Romanesque and Gothic. Elective for those who have taken Fine Arts 101, 102 and for others with the consent of the instructor. — Mr. Taylor.

208. Renaissance Architecture — The course requires a brief review of Roman architecture as necessary background. Then its objective is to study the evolution of Renaissance architecture from the early period through the baroque and rococo periods. Elective for those who have taken Fine Arts 101, 102 and for others with the consent of the instructor. — Mr. Taylor.

[209. Italian Renaissance Painting] — A survey of Italian painting from the early Renaissance through the Baroque period. The course includes studies of the repre-

sentative painters, certain aspects of iconography, and the social and political conditions that affected the fine arts during the Renaissance in Italy. Elective for those who have taken 101, 102, and for others with consent of instructor. — Mr. Taylor.

[210. Renaissance Art in Northern Europe] — This course begins with the Van Eyck brothers and ends with the Baroque period. It includes studies of representative Netherlands and German artists, both painters and engravers. Elective for those who have taken 101, 102, and for others with the consent of instructor. — Mr. Taylor.

301-302. Advanced Painting and Graphics — Particular attention is given to the needs and aptitudes of the individual student. Before entering the course each student must have had some basic training in drawing and painting, or satisfy the Fine Arts Department that he has ability. Elective, therefore, for those who have taken Fine Arts 201-202 and for others with consent of instructor. — Mr. Pappas.

303-304. The Origin and Development of Modern Architecture — The course reviews the Gothic and Classical Revivals of the late 18th and early 19th centuries, the Eclectic phase of the later 19th century, and shows how, during this period, the foundations of the modern movement were laid. The work of such pioneers as Richardson and Sullivan is emphasized. After an examination of the basic reasons (practical and aesthetic) for the modern movement, the evolution of architectural design is traced from about 1900 to the present day, with emphasis on the contributions of Wright, LeCorbusier, Gropius, and other significant men. The course also includes a study of the evolution of modern architectural decoration such as sculpture, mural painting, etc. Prerequisite: Fine Arts 207, 208. — Mr. Taylor.

305-306. Modern Art — A course dealing with the history of painting from the French Revolution to modern times. Critical analysis of works of art is part of the course. Elective for those who have taken Course 101, 102. — Mr. Pappas.

GEOLOGY

PROFESSOR CHAPMAN; * ASSISTANT PROFESSOR WELBY; DR. BERRY

GEOLOGY MAJOR – The equivalent of five full-year courses in Geology to include Geology 101-102, 203, 204 or 215, 209, 211, 302 and either 403 or 404. Upon approval of the Department, a summer geology field course taken at a college or university may be substituted for either Geology 403 or 404. A grade of 70 or better must be obtained in four full-year courses, or their equivalent, in Geology. One full-year course in Chemistry and one full-year course in Physics are also required. Certain courses in other fields are recommended as electives to fulfill the individual needs of students.

101-102. Introduction to Geology – The fundamental facts, principles, and processes of physical geology, such as weathering, erosion, sedimentation, glaciation, diastrophism, and volcanism, are considered in the first half of this course. The student will learn to identify the common minerals and rocks, and to read and interpret topographic maps. The physical changes in the earth's crust and the evolution of life during geologic time are considered in the second half. In this phase of the work the student will study geologic maps and learn to recognize key fossils from the geologic past. Lectures, laboratories, and field trips. Eight semester hours credit. Laboratory sections limited to 16 each. – Dr. Chapman, Dr. Welby, and Dr. Berry.

203. Invertebrate Paleontology – A study of the nature and preservation of the invertebrate phyla and of their evolution through geologic time. Emphasis is placed on the identification and classification of those phyla which are important as fossils. Lectures and laboratories. Four semester hours credit. Prerequisites: Geology 101-102 and permission of the instructor. – Dr. Welby.

204. Stratigraphy – A study of the stratified rocks. Emphasis is placed upon the use of fossils in identifying and correlating beds, and upon the concepts of Time, Time-Rock, and Rock units in geology. A case-method approach is used in the solution of specific stratigraphic problems. Lectures and laboratories. Four semester hours credit. Prerequisites: Geology 203 and permission of the instructor. – Dr. Welby.

209. Mineralogy – A basic course cover-

ing crystallography and physical, chemical, and descriptive mineralogy. The occurrence, association, and uses of minerals are considered. Lectures and laboratories. Four semester hours credit. Prerequisites: Geology 101-102 and permission of the instructor. – Dr. Chapman.

211. Structural Geology – This course deals with the description and genesis of rock structures such as folds, faults, joints, foliation, and lineation. The use of these structures in unravelling geologic history is emphasized. Lectures and occasional field trips. Three semester hours credit. Prerequisites: Geology 101-102 and permission of the instructor. – Dr. Berry.

213. Geomorphology – A study of land forms and an analysis of their origin. This course will help the student to understand and appreciate such physiographic features as mountains, plateaus, plains, etc. Lectures and occasional field trips. Three semester hours credit. Prerequisite: Permission of the instructor. – Dr. Welby.

214. Glacial Geology – A study of the characteristics, mechanics, distribution, and causes of glaciers, and of glacial and associated fluvial, lacustrine, and aeolian land forms and deposits. The stratigraphy and chronology of glacial deposits are emphasized. Lectures and occasional field trips. Three semester hours credit. Prerequisites: Geology 101-102 and permission of the instructor. – Dr. Welby.

215. Sedimentology – A study of the physical and chemical processes involved in the formation of sedimentary rocks with emphasis on the effects of deposi-

*On leave of absence 1960-61.

tional environments. Laboratories are devoted to a study of the nature and interpretation of sediments and to a consideration of independent problems. Lectures and laboratories. Four semester hours credit. Prerequisites: Geology 101-102 and permission of the instructor. A course in elementary college chemistry is recommended. — Dr. Welby.

302. Petrology — A study of the composition, texture, and structure of the common rocks together with a consideration of their occurrence and origin. Lectures, laboratories, and occasional field trips. Four semester hours credit. Prerequisites: Geology 209 and permission of the instructor. — Dr. Chapman.

304. Economic Geology — This course deals with the occurrence and origin of ores and of non-metallic materials other than oil. The role of mineral deposits in world economy is considered. Lectures. Three semester hours credit. Prerequisites: Geology 211, Geology 302 and permission of the instructor. — Dr. Chapman.

314. Optical Mineralogy — An intensive study of the optical properties of crystals. Considerable practice is afforded in the identification of minerals by the immersion method, using the petrographic microscope. Laboratories and lectures are integrated. Three semester hours credit. Prerequisites: Geology 209 and permission of the instructor. — Dr. Chapman.

317. Physics of the Earth — An investigation of solid earth physics. This course is a survey of such topics as natural potential fields of the earth (magnetic and

gravitational), age determinations, shape of the earth, internal structure, isostasy, and tectonophysics. Lectures. Three semester hours credit. Prerequisites: Mathematics 105, 106, Physics 101, 102 or equivalent, Geology 101, or permission of the instructor. — Dr. Berry.

318. Geophysics — A study of structures, gross compositional changes, and other anomalies of the earth, utilizing several geophysical techniques including magnetic, gravimetric, electrical, and seismic. Lectures and occasional field trips. Three semester hours credit. Prerequisite: Geology 317. — Dr. Berry.

401, 402. Advanced Study in Geology — Advanced independent study and practical work in one or more branches of geology. The course will be adapted to the individual needs of students. Since the subject matter of this course will differ each term, both terms may be taken for credit. Semester hours credit per term to be determined. Prerequisites: Senior standing and permission of the instructor. — Dr. Chapman, Dr. Welby, and Dr. Berry.

403, 404. Field Geology — A systematic study and interpretation of geological phenomena encountered in the field. By preparing a geologic map of a specific area and writing a report, the student learns how to apply the principles and techniques learned in the classroom and laboratory. Since the field problems will differ each term, both terms may be taken for credit. Three semester hours credit per term. Prerequisite: Permission of the instructor. — Dr. Chapman.

GOVERNMENT

ASSOCIATE PROFESSOR FERWERDA; ASSISTANT PROFESSOR NEAVEYSON;
DR. PRESTON AND MR. MEYER

GOVERNMENT MAJOR — Commencing with the Class of 1963 — Five courses in the Department, with a grade of at least 70 in each, and Economics 201-202. Majors must take Government 100, Government 201, Government 202, Government 307, and Government 401, 402. A student contemplating a major in Government should complete Government 100 by the end of his sophomore year. Before the end of his senior year, each major will take a General Examination in Government, to be given in two parts. The first of these will test the major student's ability to integrate his knowledge of the entire field. The second part will involve writing exclusively on one

of the following three fields: Political Theory and Comparative Government, American Government, International Relations.

100. Introduction to Politics* – The scope and methods of political science, a systematic study of fundamental political concepts. The relationship of man to society and the state. The theory of governmental institutions. The application of the above to contemporary problems and controversies. Offered annually, Christmas and Trinity terms. – Dr. Neaverson and Dr. Preston.

201. International Politics – Basic factors in international relations: the nature of nationalism, imperialism, and colonialism; evolution of the modern national state system; contemporary sources of international tension. Special emphasis upon the operation of these factors in Asia, the Arab World, and Africa. Offered annually. – Dr. Ferwerda.

202. American National Government – The federal system and the structure, operation, and policy problems of the American national government. Offered annually. Prerequisite: Government 100 or permission of the instructor. – Dr. Preston.

204. Comparative Government – The structure, problems, and policies of some modern political systems: France, Germany, the United Kingdom, and the Soviet Union. Minor attention will be given to other political systems where relevant. Offered annually. Prerequisite: Government 100 or permission of the instructor. – Dr. Neaverson.

301. American Parties and Politics – Party organization and operation, election systems, pressure groups, and public opinion. Offered in 1960–61, and in alternate years thereafter. Prerequisite: a course in government or permission of the instructor. – Dr. Preston.

302. American State and Local Government – The structure and operation of state governments and of urban and rural local governments; a survey of state and local services and an analysis of the relationships between governmental units in the American federal system. Offered

annually. Prerequisite: a course in government or permission of the instructor. – Dr. Preston.

[303. American Constitutional Law] – The development of important doctrines and interpretations of constitutional law, primarily as displayed in decisions of American courts. Offered in 1961–62 and in alternate years thereafter. Prerequisite: a course in government or permission of the instructor. – Dr. Preston.

305. International Government – Analysis of the beginnings of government among nations, through the evolution of international organization in the twentieth century. Special emphasis upon the United Nations system and developments in the European Community. Offered annually. Prerequisite: Government 201 or permission of the instructor. – Dr. Ferwerda.

306. Problems of National Security – Nature of the threat to security; American security objectives and the formulation of security policy; role of the armed forces in a widening concept of strategy. Offered annually. Prerequisite: Government 201 or permission of the instructor. – Dr. Ferwerda.

307. Modern Democratic Theory and Its Critics – A study of nineteenth and twentieth century political ideas, and their relationship to communism, fascism, socialism, and democracy. Offered annually. – Dr. Neaverson.

308. Totalitarian Government and Politics – The meaning and essential characteristics of modern totalitarianism. The role of social theory in the formulation of policy in Soviet Russia, Nazi Germany and Fascist Italy. Chief emphasis on the political and social institutions of post-Stalin Soviet society. Offered annually. Prerequisite: Government 204, or former Government 201-202, or permission of the instructor. – Dr. Neaverson.

310. Government and Politics of Asia – An examination of the political institu-

*Not open to those who have taken the former Government 201-202, Modern Government.

tions and problems of the principal countries of Asia, with particular attention to contemporary domestic and foreign policies of China, Japan, India, Pakistan, and Indonesia. Offered annually. Prerequisite: a course in government or permission of either of the instructors. - Dr. Ferwerda and Mr. Meyer.

401. Seminar in Government - Research, discussion, and reports on selected topics in the several areas of political science. Offered annually. Permission of the instructor required. In 1960-61 the follow-

ing sections will be given: *Section A: Africa*, Dr. Ferwerda; *Section B: Problems in Intergovernmental Relations in America*, Dr. Preston.

402. Seminar in Government - Research, discussion, and reports on selected topics in the several areas of political science. Offered annually. Permission of the instructor required. In 1961 the following sections will be given: *Section A: The Arab World*, Dr. Ferwerda; *Section B: The Fifth French Republic*, Dr. Neaverson.

HISTORY

PROFESSORS THOMPSON AND COOPER; ASSOCIATE PROFESSORS DAVIS, BLACK, DOWNS AND BANKWITZ; ASSISTANT PROFESSORS WEAVER, AND KINTNER; MR. CASSELS

HISTORY MAJOR - Four courses in the Department beyond History 101-102, including History 201-202, 203, 204 and 401 or 402. The qualitative requirements of History 201-202 and History 203, 204 may be satisfied by examination with permission of the instructor.

101-102. An Introduction to European History - A survey of Western European history from the fall of the Roman Empire to the present. Elective for all classes. - Dr. Cooper, Dr. Downs, Dr. Bankwitz, Dr. Weaver, Dr. Kintner and Mr. Cassels.

201-202. United States History - A political, economic, and social survey. Sophomores, Juniors, and Seniors. - Dr. Thompson and Dr. Black.

203. Ancient History of the Near East and Greece - The origins of society in the Mediterranean world. A survey of ancient Near Eastern history and of Greece to the death of Alexander the Great. Sophomores, Juniors, and Seniors. - Dr. Davis.

204. Hellenistic and Roman History - A survey of the Mediterranean world during Hellenistic and Roman times to A.D. 235. Sophomores, Juniors, and Seniors. - Dr. Davis.

207. England to 1603 - A survey of the political, constitutional, economic, and religious evolution of England from the Roman Conquest to the death of Elizabeth I. - Dr. Cooper.

208. England from the Accession of James I to the Present - The development

of England, Great Britain, and the Empire since 1603. - Dr. Cooper.

301-302. History of the Middle Ages - A survey of Western Europe from the fourth to the fifteenth century including the Byzantine Empire and Islam. - Dr. Downs.

303. The Italian Renaissance - The political, economic, and cultural movements, 1300 to 1500. Prerequisite: History 101-102 and the permission of the instructor. - Dr. Kintner.

304. The Reformation - A study of the evolution of modern secular and religious institutions during the sixteenth century. Prerequisite: History 101-102 and the permission of the instructor. - Dr. Kintner.

309. Imperial Russia - Analysis of the political, economic, social and religious development of Russia to the collapse of the Tsarist regime in 1917. Prerequisite: History 101-102. - Dr. Bankwitz.

310. The Rise of Soviet Russia - The development of the Soviet regime from the revolutions of 1917 to the present day. Prerequisite: History 101-102. - Dr. Bankwitz.

[312. **The Colonial Period of American History**] – The background and the political, economic, and social history of the period. Juniors and Seniors. – Dr. Thompson.

[313. **The History of Latin America**] – A short survey of the Iberian cultures of the Western Hemisphere. – Dr. Black.

[314. **American Sectionalism and the Civil War**] – An examination of the political, economic, and social history of the United States from 1815 to 1865, stressing the struggle between national and sectional influences. A brief consideration of the Civil War and of the Confederate States will be included. Prerequisite: History 201-202. – Dr. Black.

315, 316. **The History of Canada** – A political, economic, and social survey of Canadian development, emphasizing the growth of British North America to independent national status within the British Commonwealth. Prerequisites: History 201-202 or History 207, 208. – Dr. Black.

[320. **Modern France**] – The development of France from 1815 to the present day, stressing the problems of the Third and Fourth Republics. Prerequisite: History 101-102. – Dr. Bankwitz.

321. **Modern Europe, 1760-1870** – The age of despotism, revolution, and liberal reconstruction in Europe. Selected topics in the history of Europe. Prerequisite: History 101-102. – Mr. Cassels.

322. **Modern Europe, 1870-1945** – Continental Europe in the age of imperialism, socialism, totalitarianism and scientific war. Prerequisite: History 101-102. – Dr. Bankwitz.

324. **European International Affairs from 1815** – Vicissitudes of the European balance of power. Some attention will be paid to diplomatic method and practice.

A reading knowledge of one modern foreign language is recommended. Prerequisite: History 101-102. – Mr. Cassels.

325. **The Rise of the United States as a World Power** – An historical survey of the international relations of the United States. Prerequisite: History 201-202. Juniors and Seniors. – Dr. Thompson.

[332. **Alexander the Great and the Hellenistic Era 338 B. C. to 200 B. C.**] – A history of Greece and the Near East from the conquest of Greece by Macedon with especial study of the source material on Alexander the Great, and on the Hellenization of the East. Prerequisite: History 203 or permission of the instructor. – Dr. Davis.

334. **The Roman Empire 44 B. C. to A. D. 180** – History of Rome from the death of Caesar through the Age of Antonines with especial emphasis on the Augustan Age, survey of the economic and social institutions of the High Empire. Prerequisite: History 204 or permission of the instructor. – Dr. Davis.

401, or 402. **Seminar** – Research and the use of source material both inside and outside the College is emphasized. During the term the student will develop a selected topic within a defined field, and will submit reports and a final paper based on his research. Required of History majors in their Senior year, permission of the instructor. Topics for 1960-1961. History 401. *Section A*: The Roman Republic, Dr. Davis; *Section B*: Civil War Backgrounds, Dr. Black; *Section C*: American Church History, Dr. Weaver. History 402. *Section A*: The Middle Atlantic States, Dr. Thompson; *Section B*: Civil War Backgrounds, Dr. Black; *Section C*: England in the Age of Reform, Dr. Cooper; *Section D*: European Historiography, Dr. Kintner.

INTERDEPARTMENTAL STUDIES

BACHELOR OF ARTS – Interdepartmental majors may be established with the consent of the departments concerned. Such majors shall consist of at least six courses.

BACHELOR OF SCIENCE – A combination of seven courses to be taken in the

departments of Biology, Chemistry, Engineering, Geology, Mathematics, and Physics. Three courses must be taken in one of those departments, two courses in a second department, and two courses in a third department. Interdepartmental Science majors are not open to Freshmen or Sophomores.

LINGUISTICS

PROFESSOR NAYLOR

[101.] – The study of essential steps in the history of English, of the elements of Greek and Latin with the important roots and their English derivatives, of the

development of word meanings, and of some basic principles underlying the use of language. Repeated in Trinity Term. – Dr. Naylor.

MATHEMATICS

PROFESSORS DORWART, KLIMCZAK; ASSOCIATE PROFESSORS HOFFMAN, STEWART, AND WHITTLESEY; ASSISTANT PROFESSOR POLIFERNO;
MRS. BUTCHER

MATHEMATICS MAJOR – Five courses in Mathematics (including Mathematics 304) and Physics 301, 302; or six courses in Mathematics and Physics 121-122. A grade of at least 70 must be attained in Mathematics 303 and in Mathematics 304.

103. Fundamentals of Mathematics I – A treatment of the number system. Equations and inequalities. An introduction to analytic geometry. An introduction to functions. This course does not count toward the major in mathematics and cannot be taken for credit by any student who has passed a higher numbered course. – Dr. Hoffman, Mr. Stewart, and Dr. Poliferno.

104. Fundamentals of Mathematics II – Plane analytic geometry including conic sections. Limits of functions. Derivatives and applications. Introduction to integration. This course does not count toward the major in mathematics except that 103 and 104 together may replace 105. It cannot be taken for credit by any student who has passed a higher numbered course. – Dr. Hoffman, Mr. Stewart, and Dr. Poliferno.

105. Analytic Geometry and Calculus I – Rectangular coordinates in the plane. Straight lines. Equations of curves. Functions and limits. Derivatives. Differentiation of algebraic functions. Applications. – Dr. Dorwart, Dr. Klimczak, Mr. Stewart, Dr. Whittlesey, Dr. Poliferno, and Mrs. Butcher.

106. Analytic Geometry and Calculus II – Differentials and parametric form. Mean Value theorem. Definite integrals. Applications of definite integrals. Additional applications of derivatives. Prerequisite: credit for Mathematics 105 or permission of instructor. – Dr. Dorwart, Dr. Klimczak, Mr. Stewart, Dr. Whittlesey, Dr. Poliferno, and Mrs. Butcher.

201. Analytic Geometry and Calculus III – Transcendental functions. Polar coordinates. Indeterminate forms. Integration by standard forms and by other methods. Elective for those who have passed Mathematics 102 with a grade of 70 or better or on permission of instructor. – Dr. Dorwart, Dr. Klimczak, and Dr. Whittlesey.

202. Analytic Geometry and Calculus IV – Curvature. Further applications of definite integrals. Improper integrals. Introduction to differential equations. Solid analytic geometry. Double integrals. Prerequisite: credit for Mathematics 201 or permission of instructor. – Dr. Dorwart, Dr. Klimczak, and Dr. Whittlesey.

203. Higher Algebra – An introduction to some of the fundamental concepts of algebra. Development of the real and complex number systems, theory of numbers, theory of polynomials, theory of equations, matrices and determinants, constructions. Elective for those who have passed Mathematics 104 or 106 with a grade of 70 or better or on permission of instructor. – Mr. Stewart.

204. Projective Geometry – Introductory course. The principle of duality, perspectivity, Desargues' theorem, harmonic sets, projectively related forms, theorems of Pascal and Brianchon, pole and polar line. Coordinate systems. Affine geometry. Euclidean geometry as a specialization of projective geometry. Elective for those who have passed Mathematics 104 or 106 and 203 with grades of 70 or better or on permission of instructor. – Dr. Dorwart.

301. Differential Equations and Calculus – Junior course for non-majors. Partial derivatives and applications. Multiple integrals. Topics from differential equations. Topics from algebra. Elective for those who have passed 202 with a grade of 70 or better or on permission of instructor. – Dr. Dorwart.

302. Advanced Calculus – Junior course for non-majors. Infinite series, including Taylor's formula and power series solution of differential equations. Introduction to Laplace transform. Fourier series. Elementary vector analysis. Prerequisite: credit for 301. – Dr. Klimczak.

303. Advanced Calculus I – Junior course for majors and other students interested in advanced mathematics. Partial derivatives. Multiple integrals. Elementary vector analysis. Improper integrals. Elective for those who have passed 202 with a grade of 70 or better or on permission of instructor. – Dr. Hoffman.

304. Advanced Calculus II – Infinite series, including series solution of differential equations. Elementary transform theory. Fourier series. Topics from analysis. Prerequisite: credit for 303. – Dr. Hoffman.

[305. Theory of Probability] – Permutations and combinations, definitions of probability, theorems for calculation of probabilities, continuous and geometric probability, random variables, frequency and distribution functions, nature of statistical methods. Prerequisite: credit for Mathematics 202. (Offered in alternate years with Mathematics 309) – Mrs. Butcher.

[306. Mathematical Statistics] – Empirical and theoretical frequency distributions of one variable, moments, moment generating functions, limit theorems, sam-

pling theory, the two-dimensional case, correlation and regression, goodness of fit, statistical inference, small sample distributions. Prerequisite: credit for Mathematics 305. (Offered in alternate years with Mathematics 310) – Mrs. Butcher.

309. Theory of Finite Differences – Ordinary and divided differences, advancing and central difference formulas, direct and inverse interpolation, summation of series, approximate integration, difference equations. Prerequisite: credit for Mathematics 202 and 203 or permission of instructor. (Offered in alternate years with Mathematics 305) – Mrs. Butcher.

310. Mathematics of Investment – Discrete and continuous rates of interest and discount, annuities certain, methods of debt repayment, bonds, introduction to the mathematics of life contingencies. Prerequisite: credit for Mathematics 202 (Offered in alternate years with Mathematics 306.) – Mrs. Butcher.

401. Theory of Complex Variables – Algebra of complex numbers, analytic functions and conformal mapping, integrals of analytic functions and Cauchy's theorem, expansion of analytic functions in series, calculus of residues. Elective for those who have passed Mathematics 302. – Dr. Klimczak.

404. Modern Algebra – A formal approach to algebraic structures and their relations. Groups and subgroups, rings and ideals, fields, vector spaces, homomorphism, isomorphism. Particular attention is given to linear algebra and matrices, with applications to other parts of mathematics and to physics. Elective for those who have taken Mathematics 203 and 302 or 304 or on permission of instructor. – Mr. Stewart.

MODERN LANGUAGES

PROFESSORS HUGHES AND NAYLOR, CO-CHAIRMEN; ASSOCIATE PROFESSORS ANDRIAN, CAMPO, LEAVITT,* AND WATERMAN; DR. FRESE; ASSISTANT PROFESSOR HANSEN; MR. DIAZ,† MR. GASTMANN, MR. KERSON, MR. LONG, AND MR. STIRES

MODERN LANGUAGES MAJOR -

Plan A - Three courses beyond Course 111-112 in German, and two courses in one of the following languages: French, Italian, Russian, or Spanish.

Plan B - Three courses beyond Course 111-112 in one of the following languages: French or Spanish; and two courses in German or Russian.

GERMAN MAJOR - Five courses in German beyond German 101-102, with the exception of German 233, 234.

ROMANCE LANGUAGES MAJOR -

Plan A - Five courses in French or five courses in Spanish, including courses 213, 214, and 411 and 412. Course 101-102 does not count for the major.

Plan B - Three courses beyond course 111-112 in French or three courses beyond 111-112 in Spanish, including courses 211, 212 and 213, 214; and any two courses in one other Romance Language (French; Italian; Spanish).

French

101-102. Elementary Course - Designed for the student beginning French in college. Four hours of classroom work. - Dr. Andrian, Mr. Long, and Dr. Naylor.

111-112. Intermediate Course - Elective for those who have taken one year of college French or who are credited with two units of French at entrance. Readings in modern and classical French authors; review of French grammar; oral and aural practice. - Dr. Andrian, Mr. Long, and Dr. Waterman.

211. Survey of French Literature from the Mediaeval Period through the Eighteenth Century - Elective for those who have taken French 111-112 in college with a grade of 70 or better, or who are credited with three units of French at entrance. The Mediaeval Period, the French Classical Period, the Age of Enlightenment. - Dr. Campo, Mr. Long, Dr. Naylor, and Dr. Waterman.

212. Survey of French Literature from the Revolution through 1950 - Same prerequisites as for French 211. The principal literary movements in France during the Nineteenth and the Twentieth Centuries: Romanticism, Realism, the Symbolists, Existentialism. - Mr. Long, Dr. Naylor, and Dr. Waterman.

213. Advanced French Conversation and Composition - Elective for those who have completed French 111-112 with a grade of 70 or better, or who are credited with three units of French at entrance. This half-year course, conducted in French, is designed to develop facility in writing, in aural comprehension, and in conversational ability. - Dr. Naylor.

214. Advanced French Conversation and Composition - Same prerequisites and same description, as for French 213. - Dr. Naylor.

[301. Seventeenth Century Prose] - Elective for those who have completed French 211 and 212 with a grade of 70 or better. An intensive study of such important authors as Descartes, Pascal, Mme. de Sévigné, and La Rochefoucauld. - Dr. Leavitt.

[302. Seventeenth Century Drama] - Same prerequisites as for French 301. Dramatic theory in the Classical Period in France; intensive study of plays by Corneille, Racine, and Molière. - Dr. Andrian.

311 (2). Literature of the Eighteenth Century - Elective for those who have completed French 211 and 212 with a grade of 70 or better. A consideration of the

*On leave of absence Christmas Term 1960-61.

†On leave of absence 1960-61.

major works of the *Philosophes* with emphasis on Diderot and Voltaire. - Dr. Leavitt.

312 (1). Literature of the Eighteenth Century - Same prerequisites as for French 311. Eighteenth Century Theatre. - Dr. Waterman.

321. French Literature of the Nineteenth Century - Elective for those who have completed French 211 and 212 with a grade of 70 or better. Intensive study of Romanticism in France. - Dr. Naylor.

322. French Literature of the Nineteenth Century - Same prerequisites as for French 321. Intensive study of Realism, Naturalism, Symbolism. - Mr. Long.

[331. Twentieth Century French Literature] - Elective for those who have completed French 211 and 212 with a grade of 70 or better. An intensive study

of the novel up to and including Proust. **[332. Twentieth Century French Literature]** - Same prerequisites as for French 331. Modern trends in the theatre and continuation of the study of the novel through Existentialism.

411. Seminar - Prerequisite: two semester courses in French numbered 300. A course required of all French majors under Plan A; open to others with the consent of the instructor. The French Novel since Existentialism, with emphasis on Butor, Robbe-Grillet, and Sarraute. - Dr. Waterman.

412. Seminar - Prerequisite: two semester courses in French numbered 300. A course required of all French majors under Plan A. Open to others with the consent of the instructor. Literary Existentialism, with particular emphasis on Sartre and Camus. - Dr. Leavitt.

German

101-102. Elementary German - Emphasis on pronunciation, grammar, and the reading of easy texts. Three classroom hours and one laboratory hour per week. - Dr. Hansen, Dr. Frese, and Mr. Gastmann.

111-112. Advanced Grammar, Composition, and Translation - Practice in speaking, reading, and writing German. Review of grammar essentials. Intensive reading of graded and literary texts. Prerequisite: German 101-102 or the equivalent. Three classroom hours. - Dr. Hansen and Mr. Gastmann.

211-212. Conversation and Composition - This course is conducted in German and gives individual attention in order to develop an active command of the language. Prerequisite: German 111-112 or the equivalent. - Dr. Hansen.

233. German Literature in Translation - A survey of German Literature in English translation from the earliest times to the end of the classical period. No knowledge of German required. - Dr. Frese.

234. German Literature in Translation - A survey of German Literature of the nineteenth and twentieth centuries in English translation. No knowledge of German required. - Dr. Frese.

301-302. A Survey of German Literature - Reading, reports, discussion. Representative works and excerpts to impart a basic understanding of the Middle Ages, Humanism, Reformation, Baroque, Enlightenment, Pietism, Rococo, Storm and Stress, Classicism, Romanticism, Realism, Naturalism to the present day. Prerequisite: German 111-112 or 211-212. - Dr. Frese.

401, 402, 403, etc. German Independent Study - Reading, reports, discussion under the supervision of the staff. Qualified students may choose for the equivalent of a semester-course any one of the following topics: *Period studies* - Middle High German Literature; Humanism, Renaissance, and Reformation 1400-1600; Baroque Literature 1600-1700; Rationalism, Rococo, Sturm und Drang 1700-1789; Classical Period; Romanticism; Realism and Naturalism; Twentieth Century German Literature; Literature of the Middle Ages; From Luther to Klopstock; Lyric Poetry, 1750 to the present; *Genre studies* - The Hymn, The Volkslied; Development of the Drama; The Novelle and Short Story; The Bildungsroman; The Middleclass Tragedy; *Authors and works* - Lessing and the Enlightenment; Goethe and Classicism; Schiller and Idealism; Faust I and II; Heine und die

Jungdeutschen; or other topics approved by the Chairman of the Department. Pre-

requisite: German 301-302. – Dr. Hughes and Dr. Frese.

Italian

101-102. Elementary Course – Study of the fundamentals of grammar. Designed to develop a reading facility in Italian along with a basic facility in conversation. Emphasis will be on the spoken language of everyday use. – Dr. Campo.

111-112. Intermediate Course – Elective for those who have taken Italian 101-102 or for those who are credited with two units of Italian at entrance. Review of the essential principles of grammar; readings in modern authors, and during the Trinity Term, selections from masterpieces of Italian literature – Christmas Term: Dr. Campo; Trinity Term: Dr. Naylor.

[211. Survey of Italian Literature] – Elective for those who have completed Italian 111-112 or who have offered three units of Italian at entrance. Dante, Petrarch, Boccaccio, Machiavelli, Ariosto, Tasso. – Dr. Campo.

[212. Survey of Italian Literature] – Same prerequisites as for Italian 211. A study of principal Italian authors from the beginning of the Seventeenth Century to contemporary times. – Dr. Campo.

233 (2). Italian Renaissance Literature in Translation – A study of the genesis of the sonnet, *Novella*, drama, romantic and heroic epics. Examination of lyrical attitudes of love poetry, Neoplatonism, the pastoral ideal, educational precepts, historical and philological studies, interrelations among the literary, figurative, and plastic arts. Authors treated are: Petrarch, Boccaccio, Ariosto, Machiavelli, Castiglione, Vasari, Cellini. Prerequisite: Juniors or Seniors, or permission of instructor. – Dr. Campo.

Tutorial Course – Prerequisite: Italian 211 and 212, Twentieth Century Italian Literature. – Dr. Campo.

Russian

[101-102. Elementary course] – A beginner's course emphasizing fundamental grammatical principles and the reading of simple prose. Three hours of classroom work supplemented by one hour of laboratory work. To be given in 1961-62. – Dr. Leavitt.

111-112 (2). Intermediate Course – Elective for those who have taken Russian 101-102 or its equivalent. Readings in Turgenev, Tolstoy, Chekhov, and in modern Soviet prose; review of grammar; practice in conversation. – Dr. Leavitt.

Spanish

101-102. Elementary Course – Designed for the student beginning Spanish in college. Four hours of classroom work, emphasizing pronunciation, grammar, the reading of graded texts, and oral-aural practice. – Mr. Kerson and Mr. Stires.

111-112. Intermediate Course – Elective for those who have taken Spanish 101-102 in college or are credited with two units of Spanish at entrance. Readings in modern authors; review of grammar; oral and aural practice. – Mr. Kerson and Mr. Stires.

211. Survey of Spanish Literature through the Siglo de Oro – Elective for those who have completed Spanish 111-

112 in college with a grade of 70 or better, or who are credited with three units of Spanish at entrance. A study and analysis of principal works against the historical and cultural background of this period. – Mr. Kerson and Mr. Stires.

212. Survey of Spanish Literature of the Nineteenth and Twentieth Centuries – Same prerequisites as for Spanish 211. A study and analysis of principal works against the historical and cultural background of this period. – Mr. Kerson and Mr. Stires.

213. Advanced Spanish Conversation – This course is designed to develop accuracy in pronunciation and the ability

to converse in idiomatic Spanish. Elective for those who have completed Spanish 111-112. - Dr. Andrian.

214. Advanced Spanish Composition - This course is designed to develop facility and accuracy in writing Spanish. Same prerequisites as for Spanish 213. - Dr. Andrian.

[301. Spanish Literature of the Siglo de Oro] - Elective for those who have completed Spanish 211 and 212 with a grade of 70 or better. An intensive study of the drama and poetry of the *Siglo de Oro*.

[302. Spanish Literature of the Siglo de Oro] - Same prerequisites as for Spanish 301. This course will study the *novela picaresca* from *The Siglo de Oro* to the Twentieth Century.

311. Spanish Literature of the Nineteenth Century - Same prerequisites as for Spanish 301. A study of the Romantic and Realist drama. - Mr. Kerson.

312. Spanish Literature of the Nineteenth Century - Same prerequisites as for Spanish 301. A study of the Realist and Naturalist novel. - Dr. Andrian.

[321. Spanish Literature of the Twentieth Century] - Same prerequisites as for Spanish 301. A study of contemporary poetry and drama.

[322. Spanish Literature of the Twentieth Century] - Same prerequisites as for Spanish 301. An intensive study of the prose works of The Generation of '98.

411. Seminar - Prerequisite: two semester courses in Spanish numbered 300. A course required of all Spanish majors; open to others with the consent of the instructor. Cervantes. - Dr. Andrian.

412. Seminar - Prerequisite: two semester courses in Spanish numbered 300. A course required of all Spanish majors; Spanish-American Literature. Open to others with the consent of the instructor. - Mr. Kerson.

MUSIC

PROFESSOR WATTERS; ASSOCIATE PROFESSOR BARBER

MUSIC MAJOR - Four courses in the Department, including Harmony or Counterpoint, and one course in Fine Arts.

101, 101 (2). The Materials of Music - A survey course of the organization of sound into music. The study, through participation, of acoustics, harmony, composition, vocal and instrumental techniques, and analysis. - Dr. Barber.

103-104. History and Appreciation of Music - An elementary course in the analytical and historical study of music since 1600. The development of discriminating taste in composition and in performance is the main objective of the course. Section limit 25. Mr. Watters. (103 may be taken separately as a half-course.)

105-106. Introduction to the Opera - A course in the appreciation of opera from its beginnings to the present. Special emphasis will be placed on the study of selected works in the current repertoire. - Dr. Barber.

107-108. Elementary Harmony - All candidates must have knowledge of the rudiments of music, and ability in piano

playing sufficient for the performance of simple four-part exercises. (Successful completion of Music 101 will be considered an acceptable substitute for the above requirement.) Section limit 10. - Mr. Watters.

109. Johann Sebastian Bach - A study of the life and works of Bach. Phonograph records and actual performances. - Mr. Watters.

110. Modern Music - A study of modern composers from Cesar Franck to the present day. - Dr. Barber.

112. Church Music - A study of music from the 16th Century to the present day, its relation to the liturgies of the Roman, the Anglican, the Lutheran Churches, and its performance according to the practices of the composers. Liturgical Music, Music of the Choir, Organ Music. - Mr. Watters.

401, 402. Tutorial - Advanced work in Harmony, Counterpoint or History. Consent of the Department. - The staff.

PHILOSOPHY

PROFESSOR MEANS; ASSISTANT PROFESSORS ANDERSON AND STOUTLAND;
MR. DELONG

PHILOSOPHY MAJOR – Four and one-half courses in Philosophy, with a grade of at least 70 in each, including Philosophy 205, 307, 308, 401 or 402.

201. Introduction to Philosophy – An introductory treatment of some fundamental philosophical problems in such areas as the theory of knowledge, the theory of reality, philosophy of religion, philosophy of science, and ethics. Given each term. – Dr. Anderson, Mr. DeLong, and Dr. Stoutland.

203. Theories of Ethics – A critical examination of the major ethical systems as developed historically and including an analysis of recent ethical thought. The study of such problems as the nature of human values, good, right, obligation, happiness, justice, and duty. Given each term. – Dr. Means.

205. Introduction to Logic – The nature of clear and valid argumentation. Formal and informal fallacies. Traditional logic; the syllogism. Introduction to symbolic logic; formal proofs. The methods of the natural sciences; scientific explanation. – Mr. DeLong.

301. Philosophy of Science – A study of the philosophical problems arising from the natural and social sciences. Scientific method and its presuppositions; the notions of natural law and cause; probability; the relation of science to value theory. Prerequisites: Philosophy 201 or 205, or permission of the instructor. – Dr. Anderson.

302. Symbolic Logic – A survey of the concepts, methods, and problems of symbolic logic and a consideration of their relevance to philosophy. Prerequisites: Philosophy 205 or permission of the instructor. (Offered in 1960–61 and in alternate years thereafter) – Mr. DeLong.

303. Philosophy of Religion – A discussion of the main problems of the philosophy of religion: the nature of religion and religious discourse; the kind of meaning that religious and theological statements have, and their mode of justification; the role of argument and experi-

ence in religion; the relation of religion to morality, science, and art; the dilemmas that arise for the believer, such as the problem of evil and the problem of foreknowledge and determinism. Prerequisites: Philosophy 201 or two half-courses in Philosophy, or permission of the instructor. – Dr. Stoutland.

304. Philosophy of the State – An investigation of the leading political theories from Plato to the present. Special attention is devoted to the development of Western political ideals and conceptions. Designed to give the student an understanding of the assumptions and issues involved in current controversies concerning the individual and the state. – Dr. Means.

305. Philosophy of History – The first part of the course will be a systematic discussion of epistemological and metaphysical problems raised by philosophical reflection on historical writing, such as the nature and status of the past, the nature of historical fact, the role of interpretative hypotheses, the nature of historical explanation and the function of general laws in history, and the problem of historical determinism. The second part of the course will be a critical discussion of certain speculative philosophies of history, such as Augustine, Hegel, Marx, and Toynbee. Some attention will be paid to problems of the social sciences other than history. Prerequisites: Philosophy 201 or two half-courses in Philosophy or permission of the instructor. (Offered in 1960–61 and in alternate years thereafter) – Mr. DeLong.

306. Philosophy of Art – An analysis of the nature of art, the aesthetic object, the creative act, aesthetic experience, judgments of criticism, and the functions of art. – Dr. Stoutland.

307. History of Philosophy I – History of ancient and medieval philosophy, con-

centrating on Plato, Aristotle, Epicureanism, Stoicism, Neoplatonism, Augustine, and Aquinas. Prerequisites: Philosophy 201 or two half-courses in Philosophy or permission of the instructor. – Dr. Anderson.

308. History of Philosophy II – History of modern philosophy, concentrating on Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, and Hegel. Prerequisites: Philosophy 307 or permission of the instructor. – Dr. Anderson.

309, 310. Special Studies in Philosophy – Intensive study in selected areas of Philosophy: either the writings of one or more major philosophers (such as Plato, Aristotle, Hume, or Kant), or one or more major philosophical schools (such as Pragmatism, Idealism, Thomism, or Existentialism), or a fundamental philosophical problem (such as epistemology or metaphysics). Subjects to be determined each year. In 1960–61: Philosophy 309. – Plato – Dr. Stoutland. Philosophy 310. – Contemporary Philosophical Analysis – Prerequisites: same as Philosophy 305. – Dr. Anderson.

401, 402. Seminar in Philosophy – Subjects to be determined each year. Prerequisites: two half-courses in Philosophy or permission of the instructor. In 1960–61: Philosophy 401. Joint Seminar – Some Contemporary Philosophers and Theologians. – Dr. Means and Dr. Cherbonnier. Philosophy 402. – Dr. Means.

403, 404. Advanced Study – Independent, intensive study in a field of special interest requiring a wide range of reading and resulting in an extended paper to be read by two members of the Department. No class meetings, but periodic conferences with the supervisor. Elective for Philosophy Majors with a college average of 80 and an average of 80 in Philosophy who present in writing a project meeting with the approval of the Department. The grade requirements may be waived in unusual circumstances. – The staff.

Departmental Seminar – Monthly meetings of members of the Philosophy department and students interested in philosophy. Attendance required of Philosophy Majors, though no credit will be given. Papers will be read by faculty, students, and occasional visiting scholars with discussion following.

PHYSICAL EDUCATION

PROFESSORS OOSTING AND JESSEE; ASSOCIATE PROFESSOR KURTH;
ASSISTANT PROFESSORS DATH, MC WILLIAMS, SLAUGHTER,
MC PHEE, AND SHULTS

Physical Education is a required course for all Freshmen and Sophomores, reporting three times per week throughout the college year. Transfers in the Freshman and Sophomore year will meet this two-year requirement. Transfers in the Junior year will be required to take one year of physical education at Trinity. A prescribed physical education uniform is required.

The physical education program at Trinity is designed to secure and maintain a condition of good health and physical fitness, to develop recreational skill which can be enjoyed while in college and in leisure time after college, to establish habits of regular participation, and to develop favorable attitudes toward wholesome play.

Each school year is divided into four physical education quarters of approximately seven weeks in duration. To meet the graduation requirement, a student must pass to the satisfaction of the department eight of the courses listed below, in which gymnastics and a swimming course must be included: Outdoor Activities—touch football, soccer, softball, tennis (beginners), tennis (advanced), golf (beginners), golf (advanced); Indoor Activities—volleyball, basketball (beginners), basketball (advanced), beginning swimming, swimming, Senior Life Saving, Water Safety Instructor's course, squash (beginners), squash (advanced), gymnastics, wrestling (beginners), wrestling (advanced). Members of winter intercollegiate teams (basketball, swimming,

squash and fencing), during the Freshman, Sophomore and Junior years, are excused from gymnastics and swimming, providing they can pass the minimum swimming test. Students showing Life Saving cards will be excused from all swimming requirements. Those students unable to pass the minimum swimming test (50 yards freestyle and 25 yards on the back) will be placed in a beginners' swimming class held during the first and fourth physical education terms, until this requirement is fulfilled.

Those students unable to pass the physical fitness test will be scheduled into special classes for three physical education quarters or until minimum standards are met.

One credit for physical education at-

tendance is given to members of varsity and freshman intercollegiate teams for each physical education term the sport is in season. Only Freshman and Sophomore year participation in athletics may be credited toward the physical education requirement. Any student dropping or cut from a varsity sport before his physical education requirement is completed will be immediately scheduled into a physical education class.

In each quarter only three unexcused absences will be allowed. Anyone overcutting classes will be placed on "Warning." Cause for a second successive warning, or a third warning at any time will involve, automatically, suspension from College for one semester.

PHYSICS

PROFESSOR CONSTANT; ASSOCIATE PROFESSORS KINGSBURY AND LINDSAY;
ASSISTANT PROFESSORS TROUSDALE AND WILD

PHYSICS MAJOR - Four and one-half courses in Physics, including Physics 301, Mathematics 105, 106, 201, 202, and 301, and one course in chemistry. A grade of 70 or better must be attained in 4 physics courses. Mathematics 302 may be substituted for one half-course in Physics.

101-102. Elementary Physics - This course is primarily intended for B.A. and pre-med. students. To count as preparation toward advanced work in Physics or Engineering a grade of 80 or better must be obtained. Laboratory. - Dr. Constant and Dr. Lindsay.

121-122. General Physics: Optics and Mechanics - A more detailed and analytical study than Physics 101-102, and making use of the elementary calculus. Three classroom periods and one laboratory period. Required of Engineering and Physics majors. Prerequisite: Math. 105, 106 or registration in Math. 105, 106. - Dr. Kingsbury, Dr. Trousdale, and Dr. Wild.

221-222. General Physics: Heat, sound, and electricity - A continuation of Physics 121-122. Three classroom periods and one laboratory period. Prerequisites: Physics 121-122 with a grade of 70, Math. 201, 202 or registration in it, or permission of the instructor. - Dr. Constant.

301. Introduction to Theoretical Physics - Analytical mechanics; vector analysis; statics and dynamics of particles and rigid bodies; Lagrange's and Hamilton's equations. Emphasis is placed on the fundamental hypotheses ("laws") upon which physical theory is based; with the aid of analysis these fundamental principles are expressed in various mathematical forms and are applied to specific problems. The course is designed to provide a broad foundation for subsequent specialized graduate work. Prerequisites: Physics 121-122 and Math. 301, or registration in Math. 301. - Dr. Trousdale.

302. Introduction to Theoretical Physics - Elastic media; elastic waves and sound; fluid dynamics; heat flow; relativity. Prerequisite: Physics 301. - Dr. Trousdale.

303, 304. Recent Developments in Physics - An introductory course in modern physics covering topics such as the particles of modern physics, photo-elec-

tric and thermionic effects, quantum theory, atomic and molecular spectra, X-rays, nuclear physics, and cosmic rays. Prerequisite: Physics 221-222, or permission of instructor. – Dr. Kingsbury.

[305. Physical Optics] – An intermediate course considering the phenomena of interference, diffraction, and polarization of light. Interferometers and spectrographs will be used in the laboratory. Two classroom periods and one laboratory period. Prerequisite: Physics 221-222 and Math. 201, 202, each with grade of 70. Offered on demand.

Physics 308. Electronics – The theory of electron tubes and transistors. The applications of these devices to rectifier, amplifier, oscillator, and analog circuits. The laboratory and class are integrated. Prerequisite: Engineering 331 or permission of the instructor. – Dr. Trousdale.

309, 310. Advanced Laboratory Physics – Advanced experiments, or a research project, such as work with the cyclotron. Designed as preparation for subsequent graduate work. One consultation period

and equivalent of two laboratory periods a week. Prerequisite: Physics 221-222 and special permission. – The staff.

331, 332. Applied Electricity – Two lectures a week on the fundamentals of electromagnetism, theory and operation of d.c. and a.c. machinery. One two-hour laboratory. – (Same as Engineering 331-332.)

401, 402. Electromagnetics and Thermodynamics – Essentially a continuation of Physics 301, 302 in method of approach to the fundamentals of electrostatics, magnetostatics, and electrodynamics, leading to the development of Maxwell's electromagnetic equations and wave theory. Thermodynamics and statistical mechanics. Prerequisite: Physics 301, 302 or registration in Physics 301. – Dr. Wild.

[403, 404. Introduction to Quantum Mechanics] – The physical basis of quantum mechanics. The Schrödinger wave equation; energy levels; collision theory; approximation methods. Three classroom periods. Prerequisite: Physics 301.

PRE-MEDICAL

PRE-MEDICAL GROUP MAJOR – Biology 201-202, 301-302; Chemistry 209, 303, and 305-306; Physics 101-102 or 121-122; Mathematics 105, 106; and French 111-112 or German 111-112 or a more advanced course in either language, taken in college. A grade of 70 or better must be obtained in Biology 201-202, 301-302, and in all required courses in Chemistry.

PSYCHOLOGY

PROFESSOR LANGHORNE; ASSOCIATE PROFESSORS LACY, MEADE,* AND MORRIS;
MR. NOLAN

PSYCHOLOGY MAJOR, B.A. – Four courses in Psychology, including Psychology 101, 201, 202, 301, 302, 401. One half-course must be chosen from among Psychology 402, 403, 404. The other half-course may be chosen from the other offerings of the department. A grade of 70 or better must be obtained in the four Psychology courses. Additional requirements: Biology 101-102 or 201-202. Important electives for those majoring in Psychology are Economics 201-202; Government 101; Philosophy 201, 204; additional work in Mathematics. Psychology 101 is prerequisite to all other courses in Psychology. Members of the Classes of 1962 and 1963 will register under these requirements.

101. Introduction to General Psychology – A scientific study of the behavior and experience of the normal human adult. This course is prerequisite to all other courses in Psychology. – Dr. Langhorne.

201. Advanced General Psychology I. Sensation and Perception – An intensive study of the principles and research data in these areas of psychology. – Dr. Langhorne.

*On leave of absence 1960-61.

202. Advanced General Psychology II. Learning and Thinking – An intensive study of the principles and research data in these areas of psychology. – Dr. Langhorne.

203. Psychology in Business and Industry – Psychological principles and research data in the selection, training, and placement of personnel; morale and working conditions. – Dr. Herschberger.

204. Social Psychology – The study of the development and measurement of social motives, attitudes, leadership, social interaction and group behavior. – Dr. Herschberger.

206. Psychology of Abnormal People – A study of the personality of both normal and abnormal people, with emphasis on their resemblances. – Mr. Nolan.

301. Experimental Psychology I – A study of research design and methodology in major areas of psychological knowledge. Prerequisite or concurrent: Psychology 201, 202. – Mr. Nolan.

302. Experimental Psychology II – A research oriented course in which the student designs his own experimental study in an area of his special interest. An animal laboratory is provided for those with interests in comparative and physiological psychology. Prerequisite or concurrent: Psychology 201, 202, 301. – Mr. Nolan.

303. Psychology of Personality – A study of the determinants and structures of personality; personality theories; re-

search methodology in personality. – Dr. Lacy.

311. Physical Anthropology – A study of man's biological place in nature including an analysis of race. Origin, development, and distribution of man from prehistoric times to the present. Open to Sophomores, Juniors, and Seniors. – Dr. Morris.

312. Cultural Anthropology – The anthropologist's view of the nature and origin of language; the nature, pattern, and processes of culture, including a study of the outstanding sociological systems from Hegel, Comte, Kroeber, to Sorokin. Open to Sophomores, Juniors, and Seniors. – Dr. Morris.

401. Theoretical and Systematic Psychology – An integrative consideration of psychological problems leading to the development of theoretical perspectives. Prerequisite or concurrent: Psychology 301, 302. – Dr. Herschberger.

402. Honors Research Course – A project planned, developed, and written up by the student in an area of his special interest under the supervision of the staff member in this field. Registration by invitation of the departmental chairman and approval of the staff member. Credit: Half-course. – The staff.

403, 404. Special Topic Seminars – Topics vary from year to year. For 1960-61 the following half-courses will be offered: **403. Special topics in Physiological Psychology.** Prerequisite: permission. – Dr. Herschberger. **404. Special topics in Psychometrics** – Prerequisite: permission. – Dr. Lacy.

GENERAL READING COURSE

Reading and reports on individually chosen classics of world literatures, science, and art. An elective for Juniors and Seniors with a cumulative average

of 80. Cannot be counted for required work in any department. No class meetings. – Mr. Engley, Dr. Hughes, and Dr. Means.

RELIGION

PROFESSOR CHERBONNIER; ASSOCIATE PROFESSOR MAUCH; DR. JOHNSON

RELIGION MAJOR – Five courses in the Department, including Religion 451 or 452. With permission, an advanced course in a related field may be substituted for one course in Religion.

101, 102. The Jewish-Christian Sources of Western Culture – The origin and de-

velopment of such conceptions as the dignity and responsibility of man, the

sovereignty of God, the source of human evil, and the meaning and fulfillment of history; the influence of these ideas upon the life and thought of the West. – Dr. Cherbonnier.

211, 212. Introduction to the Bible – Examination of the Biblical writings in the light of the time and events which produced them; analysis of the various literary units to discern the emergence of the Biblical world-view. Christmas Term: Old Testament; Trinity Term: New Testament. – Dr. Mauch and Dr. Johnson.

221. Survey of Christian Thought – A study of the principal figures in the formulation of Christian thinking, including the Biblical authors, the Church Fathers (Irenaeus, Augustine), the Scholastics (Duns Scotus, Thomas Aquinas), the Reformers (Luther, Calvin, the Anabaptists), and the Puritans (Edwards), with an introduction to the modern period. – Dr. Johnson.

222. Modern Religious Thought – An evaluation of the major Christian and Jewish thinkers of the nineteenth and twentieth centuries and their relation to the dominant philosophical movements of the period; discussion of such thinkers as Schleiermacher, Kierkegaard, Buber, Bultmann, Barth, Maritain, Berdyaev, Niebuhr and Tillich. – Dr. Johnson.

251. Religions of the Far East – An introduction to Hinduism, Buddhism, Confucianism, Taoism and Islam, and their influence on the civilizations of India, China, and Japan. – Dr. Cherbonnier.

311. Major Motifs of Biblical Thought – The structures of Biblical thinking developed through an examination of the central themes in the Old and New Testaments. Prerequisite: Religion 211 or 212 or permission of the instructor. – Dr. Mauch.

312. Major Figures of Biblical Thought – Concentration on the principal contributors to the development of Biblical thinking: Jeremiah and Paul in 1961, Isaiah and John in 1962. Prerequisite: one half-course in Religion or permission of the instructor. – Dr. Mauch.

321. Major Issues of the Reformation – The significance of the Reformation controversies, Continental and British, and their influence on subsequent Protestant and Catholic thought. – Dr. Johnson.

322. Religious Existentialism – A critical examination of the attempt to express religious faith in terms of Existential philosophy, with emphasis on the contribution of Soren Kierkegaard. Prerequisite: one half-course in Religion or Philosophy or permission of the instructor. – Dr. Johnson.

352. Philosophy of Religion – An examination of Christian and non-Christian conclusions regarding the significance of human life, with particular attention to such questions as the nature of man, the nature of ultimate reality, the definition of the good, and the problems of religious knowledge. Prerequisite: one half-course in Religion or Philosophy or permission of the instructor. – Dr. Cherbonnier.

451, 452. Seminar – Intensive study of special topics in the field of religion. Prerequisite: permission of the instructor. *Christmas Term* (joint seminar with Philosophy 411): some contemporary modern philosophers and theologians. – Dr. Means and Dr. Cherbonnier. *Trinity Term*: The problem of religious knowledge. – Dr. Cherbonnier.

491-492. Advanced Study – Under the supervision of his faculty adviser, the student will write a thesis based upon his own independent research. Open only to qualified seniors with the formal approval of the Department.

Scholarships

In general, scholarships are awarded only on evidence of financial need and to unusually deserving cases. All applications for scholarships must be made on the blank forms provided for that purpose, and, in the case of students in college, must be submitted on or before May 20. Freshman applications must be completed by February 15. Complete details concerning financial aid and the continuation of scholarship grants will be found in the section, *Financial Aid*.

CAPITAL AREA SCHOLARSHIPS

In recognition of its special relationship to the Hartford community, the College has provided scholarships for outstanding young men from Hartford and neighboring towns. Awards are based on need as measured against the college expenses of a non-resident student. Up to ten Capital Area Scholarships are awarded each year. A scholarship may be continued for four successive years if warranted.

SCHOLARSHIPS FOR RESIDENTS OF ILLINOIS

A special fund established in 1947 provides scholarships for young men who reside in the State of Illinois. They are awarded on the basis of intellectual distinction, character, leadership ability, and need. There are nearly 40 Illinois Scholars now at Trinity College. It is expected that about ten new Illinois Scholarships will be awarded annually.

UNDERGRADUATE COMPETITIVE SCHOLARSHIPS

The **Holland Scholarships** were established by Mrs. Florence J. Holland of Hartford, daughter of Bishop Brownell, the founder of the College, in memory of her husband, Thomas Holland. Three tuition scholarships, to be held during the following year, are awarded by the Faculty to the students attaining the highest rank in the Junior, Sophomore and Freshman classes respectively.

The **Goodwin-Hoadley Scholarships** were established by Daniel Goodwin and George E. Hoadley. One is awarded each year to the student of the highest scholastic rank from the public schools of Hartford who enters Trinity College and who is not receiving other scholarship aid; the nomination to these scholarships is vested in the Board of Education.

SPECIAL SCHOLARSHIPS

Alumni Area Scholarships – four local Alumni Associations are authorized by the Trustees of Trinity College to provide scholarships for students of the College with the concurrence of the Scholarship Committee of the Faculty. Application for such grants should be made to the officers of the alumni organizations concerned, and applicants should also fill out and send to those officers a college scholarship application blank. The Scholarship Committee will supply promptly on request the names and addresses of the appropriate officers in any given year. The number of grants given by each alumni organization in 1956-60 was as follows: Hartford, Conn. (5); Massachusetts (0); New York, N.Y. (1); Philadelphia, Pa. (0).

Arrow-Hart and Hegeman Electric Co. Scholarships – for sons or dependents of employees of the Arrow-Hart and Hegeman Electric Company of Hartford.

George F. Baker Scholarships – given by the George F. Baker Trust for promising students interested in business as a career. Three or four scholarships are awarded annually, each for four years.

Cesare Barbieri Scholarship – given by the Cesare Barbieri Endowment for a student from Italy at Trinity College.

American Cyanamid Scholarship – given by the American Cyanamid Corporation for an outstanding student in the upper two classes majoring in chemistry.

DuPont Scholarships – grants from the DuPont Chemistry Fund to outstanding students majoring in chemistry.

The Ferguson-MacGregor Memorial Scholarships – given by the Hartford Electric Light Company in honor of the late Samuel Ferguson '96, former president of the Company and Trustee of Trinity, and the late Lt. Rodney J. MacGregor, a company employee killed during World War II. Four scholarships are maintained with one awarded each year. Preference is given to employees, sons of employees, and sons of employees who died in company service. If no applicant from the preferred groups qualifies for admission, then the award is made to a qualified resident of the area served by the Hartford Electric Light Company.

Edward M. Flannery Scholarship – a scholarship grant for a resident of Hartford County based on financial need, character, leadership and scholarship given by the Purchasing Agents Association of Hartford County.

Kristina Hallden Scholarship – given by Karl W. Hallden in honor of his mother, Kristina Hallden, and awarded to a graduate of Thomaston High School, or a resident of Connecticut. Candidate should specify that he wants to apply for this scholarship.

Margaret Hallden Scholarship – given by Mrs. Karl W. Hallden of Thomaston, Connecticut, to be awarded to a graduate of Thomaston High School.

Hartford Fire Insurance Company Group Scholarship – a scholarship grant for full tuition and college fees given by the Hartford Fire Insurance Company Group.

The Edward J. and Thomas B. Myers Scholarships – given by Thomas B. Myers, '08, of Racine, Wisconsin, in his name and in that of his brother, the late Edward J. Myers, '14, for graduates of Horlick High School and St. Catherine's High School of Racine.

Phoenix Mutual Life Insurance Company Scholarship – a scholarship grant given by the Phoenix Mutual Life Insurance Company providing full tuition for the purpose of mathematics study.

RCA Science Teaching Scholarship – given by Radio Corporation of America for an undergraduate preparing for a career in science teaching.

The Bishop Samuel Seabury Scholarships for Episcopal students are maintained by annual gifts from various Episcopal parishes. The scholarships are open to members of the Protestant Episcopal Church. The Christ Church Cathedral (Hartford) Scholarship is awarded with preference to members of the Cathedral parish and of the Diocese of Connecticut. Other scholarships are or have been supported by Trinity Church, New Haven, Christ Church, Greenwich, St. Mark's Church, New Britain, St. John's Church, Washington, Trinity Parish, Southport, Connecticut; Church of the Holy Trinity, St. James' Church, St. Michael's Church, New York City; St. Peter's Church, Beverly, St. John the Evangelist, Hingham, Emanuel Church, Braintree, Massachusetts; St. Andrews's Church, Trenton, Holy Trinity, Collingswood, New Jersey; St. Martin's Church, Providence, Rhode Island.

Trinity Church (New York City) Scholarships – given by Trinity Parish, New York. Nominations made by the Rector, Wardens, and Vestry of Trinity Church, New York.

James B. Webber, Jr., Memorial Scholarship – given by the Eloise and Richard Webber Foundation in memory of James B. Webber, Jr., '34, to provide scholarship grants for young men who reside in the state of Michigan.

Westinghouse Achievement Scholarship – given by the Westinghouse Educational Foundation to a member of the Junior class.

SCHOLARSHIPS FOR STUDENTS FOR THE MINISTRY

The following scholarships are awarded only to students who are preparing to enter the ministry of the Protestant Episcopal Church in the United States of America. Applicants for these scholarships will apply on the usual forms, and the same general rules will apply to them as govern the award of other scholarships.

Thomas Backus – given by the Rev. Stephen Jewett of New Haven.

Burhans – given by the Rev. Daniel Burhans of Newtown.

John Day and Samuel Morewood Ferguson – given by Mrs Jennie Taylor Kingsley of New Haven.

George F. Goodman – given by Richard French Goodman of Newtown, New Jersey.

Hitchings – given by The Rev. Horace B. Hitchings of the Class of 1854.

Kirby – given by Miss Harriet Kirby of Hartford.

Horatio N. Lake – given by Horatio N. Lake of Bethlehem.

Toucey – given by the Honorable Isaac Toucey of Hartford.

Isaac H. Tuttle – given by the Rev. Isaac H. Tuttle of New York.

Nathan M. Waterman – given by General Nathan Morgan Waterman of Hartford.

GENERAL SCHOLARSHIPS

The list of scholarships open to all students is given below:

Armstrong – given by Walker Breckinridge Armstrong, '33, of Darien, Connecticut.

Backus – given by Mr. and Mrs. Clinton J. Backus of Midway City, California.

Beckwith – given by the Rev. I. T. Beckwith of Atlantic City.

Bethlehem Steel – given by Bethlehem Steel Corporation of New York.

Bishop of Connecticut – given by The Bishop of Connecticut.

Grace Edith Bliss – given by Grace Edith Bliss to provide scholarships for worthy students from the Greater Hartford Area.

George Meade Bond – bequest of Ella Kittredge Gilson of Hartford in memory of George Meade Bond, Hon. M.S., '27.

Lucy M. Brainerd – given by Lyman B. Brainerd, '30, of Hartford, in memory of his mother; additions have been made by Mr. and Mrs. Newton C. Brainard, and Mr. and Mrs. Olcott D. Smith.

Bronson – given by Miss Susan Bronson of Watertown, Conn.

Carpenter – given by members of the family of Frederic Walton Carpenter and others.

Class of 1916 Memorial – given by the Class of 1916.

Class of 1939 – Estate of Howard R. Day, '39.

Archibald Codman – given by Miss Catherine A. Codman, the Rt. Rev. Robert Codman, Edmund D. Codman. Appointments made annually by the Bishop of Maine.

Cole – given by Richard H. Cole of Hartford.

Collegiate – given by Philadelphia Alumni, Miss Edith M. Howard of Hartford, and others.

Converse – given by Edmund C. Converse of Greenwich.

Lemuel J. Curtis – given by Lemuel J. Curtis of Meriden.

Charles F. Daniels – given by Mrs. Mary C. Daniels of Litchfield.

J. H. Kelso Davis – to honor the memory of J. H. Kelso Davis, '39, of Hartford, Trustee of the College from 1924 to 1956.

Dillon – given by Edward H. Dillon and Catherine H. Dillon of Hartford.

Douglas – given by the Rev. George William Douglas of the Class of 1871.

Easterby – given by Charles T. Easterby, '16, of Philadelphia, Pa.

Ellis – given by Leonard A. Ellis of the Class of 1898.

Elton – given by James S. Elton and John P. Elton of the Class of 1888.

S. P. and Barr Ferree – given by Mrs. Annie A. Ferree of Rosemont, Pa.

Thomas Fisher – given by estate of Thomas Fisher.

Edward Octavius Flagg, D.D. – given by Miss Sarah Peters Flagg of Woodcliff Lake, N.J.

Frank Roswell Fuller – from the estate of Frank Roswell Fuller of West Hartford.

Elbert H. Gary – given by Elbert H. Gary of Jericho, New York.

General Scholarship Fund – established by friends of the College.

James Hardin George – given by Jane Fitch George of Newtown.

George Shepard Gilman – given by the family of George Shepard Gilman, 1847.

Hallden Engineering – given by Karl W. Hallden, '09, of Thomaston.

Halsey – given by Jeremiah Halsey of Norwich.

Hartford Rotary—Charles J. Bennett – given by Trustees and friends in memory of Charles J. Bennett of Hartford.

George Kneeland – given by Miss Alice Taintor and Miss Adele Kneeland of Hartford.

George Sheldon McCook – given by the family of George Sheldon McCook of the Class of 1897.

McLean – given by Mrs. George Payne McLean of Simsbury.

Caroline Sidney Mears – given by Dr. J. Ewing Mears of Philadelphia.

C. B. Moak – given by the Cymoak Foundation of Miami, Florida.

Robert S. Morris Scholarship Fund – given by Robert S. Morris, '16, of West Hartford.

Shiras Morris – given by Mrs. Grace Root Morris of Hartford.

Remsen Brinkerhoff Ogilby – given by Messrs. Carlos B. Clark, Hon. '43, James B. Webber, Joseph L. Webber, Richard H. Webber, Oscar Webber, and James B. Webber, Jr., '34. Available for scholarships or loans.

Dwight Whitefield Pardee – given by Miss Cora Upson Pardee of Hartford.

Henry Perkins – given by Mrs. Susan S. Clark of Hartford. Nominations made by the Bishop of Connecticut.

Returned Scholarship Fund – given by Harold L. Smith, '23, of New York and George H. Cohen, '11, and Naaman Cohen, '13, of Hartford.

Governor Abraham A. Ribicoff – given by the Suisman Foundation of Hartford.

Maria L. Ripley – given by Miss Maria L. Ripley of Hartford.

The General Griffin A. Stedman, Jr., Memorial – given by Miss Mabel Johnson of Hartford.

Suisman Foundation Fund – given by the Suisman Foundation of Hartford.

Edwin P. Taylor, III – given by members and friends of the family of Edwin P. Taylor, III, Class of 1946.

Mathew George Thompson – bequeathed by the Rev. Mathew George Thompson, Hon. '20, of Greenwich.

William Topham – given by Mrs. Margaret McComb Topham of New York.

B. Floyd Turner – given by B. Floyd Turner, '10, of Glastonbury.

Wean – given by Raymond J. Wean, Hon. '54, of Warren, Ohio.

Mary Howard Williams – given by Augusta Hart Williams of Hartford.

Wise – given by Isadore Wise, Hon. '49, of Hartford. Available for scholarships or general purposes.

Charles G. Woodward – given by Charles G. Woodward, '98, of Hartford, in memory of his grandfather, Charles Smith; his father, P. Henry Woodward; and his mother, Mary S. Woodward.

Vertrees Young – given by Vertrees Young, '15, of Bogalusa, Louisiana.

STUDENT LOAN FUNDS

Alumni Senior – Established in 1938 by gifts of the Alumni Association of Trinity College.

Clinton Jirah and Carrie Haskins Backus – Established in 1950 by Clinton J. Backus '09, of Midway City, California.

George J. Mead – Established in 1951 by bequest of George J. Mead, Hon. '37, of Hartford – Interest to be used for loans to students majoring in economics, history, or government.

"National Defense" – Under provisions of the National Defense Education Act of 1958, loans are made available for students with financial need. Special consideration is given to students of superior backgrounds who expect to teach in elementary or secondary schools, and to students displaying superior ability in science, mathematics, engineering or a modern foreign language. Amount of fund, \$30,146.67.

New England Society of New York – Established in 1945 by the New England Society of New York, used for short-term small loans.

Remsen Brinckerhoff Ogilby – Established in 1943 by gifts of Carlos B. Clark, Hon. '43, and James B. Webber, Jr., '34 and his family, all of Detroit, Michigan.

Trinity – Established by vote of the Trustees of Trinity College in 1952 to provide loans comparable to the terms and conditions of the Mead Loan Fund for those upperclass students ineligible for Mead Loans.

Fellowships

For further information as to conditions of Fellowships and Scholarships, or for further particulars in regard to them, applications should be made to the Dean of the College.

The H. E. Russell Fellowships, endowed originally by a legacy from Henry E. Russell of New York, pay to the holders about \$700 each annually. They are awarded annually by vote of the Faculty to members of the graduating class who give evidence of superior ability and who engage to pursue an approved course of nonprofessional graduate study at Trinity College or at some American or foreign university approved by the Faculty. The incumbents hold the Fellowships for two years each.

The Mary A. Terry Fellowship, endowed by a legacy from Miss Mary A. Terry of Hartford, yields an annual income of about \$1,500. It is awarded annually by the President upon the recommendation of the Faculty to a member of the graduating class who gives evidence of superior ability and who engages to pursue an approved course of graduate study in the arts and sciences at Trinity College or at some other college or university approved by the Faculty. The incumbent holds the Fellowship for one year, and is known as the Mary A. Terry Fellow.

The W. H. Russell Fellowship, endowed by a gift from William H. Russell of Los Angeles, California, pays to the holder about \$600 annually. It is awarded biennially by the Trustees upon recommendation of the Faculty to a member of the graduating class who gives evidence of superior ability and of a desire to continue study after being graduated at Trinity College. The incumbent holds the Fellowship for two years.

Prizes

Alumni Prizes in English Composition of \$150, \$100, and \$50 respectively from the income of a fund contributed by the Alumni, are awarded to the students who present the best essays on subjects approved by the Department of English. Essays must be submitted to the Department on or before April 15. Essays prepared in any regular course of study may be offered in competition, provided that such compositions are recommended for this contest by the instructor in whose course they are written.

The American Society of Mechanical Engineers Prize is awarded by the Hartford Chapter of the American Society of Mechanical Engineers to the Senior who makes the highest record in the Engineering Department.

The Cesare Barbieri Essay Prizes, a gift from the Cesare Barbieri Endowment, for essays in Italian studies are awarded on Honors Day. Students interested in competing for these prizes should consult the Director of the Cesare Barbieri Center of Italian Studies. Essays must be submitted before April 15.

Cesare Barbieri Prizes for Excellence in Spoken Italian, a gift from the Cesare Barbieri Endowment, are awarded to those students who show excellence in understanding the language when spoken at a normal rate of speed, and who express themselves on common subjects in such a way as to make themselves understood by a native. The competition must be completed before April 15.

The F. A. Brown Prize, founded in 1897 by Mrs. Martha W. Brown of Hartford in memory of her husband, is awarded to the member of the Senior Class who pronounces an English oration in the best manner. Three prizes of \$100, \$60, and \$40 are awarded in annual competition to be held before the end of April. Students should consult the instructor of Public Speaking for further details before the 15th of April.

The Delta Phi Alpha Book Prize is awarded annually to the student in an advanced German course who has the highest average for all German courses taken in college. The prize, a book by a well-known German author, is made available by Delta Phi Alpha, the National German Honorary Fraternity, through the Trinity College Chapter, Delta Upsilon. If in any academic year the local chapter does not initiate any new Delta Phi Alpha members, the book prize is not available that year.

The Ferguson Prizes in History, Economics and Political Science, founded in 1890 by the late Professor Henry Ferguson of the Class of 1868, are offered annually for the best essays submitted to each of the three Departments of History, Economics, and Government. Two prizes are offered by each Department, a first prize of \$75 and a second prize of \$50. All essays must be typewritten. They must be submitted to the chairman of the department before April 7.

History – The prizes are offered to seniors and juniors for the two best essays on topics selected by the contestants with the approval of the Department.

Economics – The prizes are offered to seniors for the two best essays on topics approved by the Department.

Government – The prizes are offered to seniors for the two best essays on topics approved by the Department.

The Ronald H. Ferguson Prizes were established in 1951 in memory of Mr. Ronald H. Ferguson, Class of 1922, to be awarded annually on Honors Day by the Head of the Department of Romance Languages as follows: the first prize of \$300 to a Senior majoring in French; the second prize of \$150 to a Senior or a Junior majoring in French. Students interested in the prizes should confer with the Head of the Department of Romance Languages.

The prizes are based upon the results of an oral examination given by members of the Department before April 15.

The **Fraternity Scholarship Cup** is awarded annually by the Trinity Alumni Club of Hartford to the fraternity chapter attaining the highest rank in scholarship. The name of the chapter receiving the award is engraved on the Cup.

The **Goodwin Greek Prizes**, one of \$125 and one of \$80, founded in 1884 by the late Mrs. James Goodwin of Hartford, are offered to students in Greek who attain the highest grade of excellence in the courses taken and in a special examination. A student who has received a prize is not again eligible to compete for the same prize. The winners also are awarded an original Greek coin of The Classical Period. The examination to be held the twenty-first of April, 1961, is designed to test the student's general knowledge of Greek including composition and sight translation such as he may properly be expected to acquire from reading in connection with courses. No prize will be awarded unless the work offered is excellent.

The **Mary Louise Guertin Actuarial Award** was established in 1952 by Alfred N. Guertin, '22, in memory of his mother. The award of \$100 will be made annually to the Senior selected by three Fellows of the Society of Actuaries, named by the College, as having personal qualities indicative of future executive capacity and leadership in the actuarial profession. The student must also have completed satisfactorily the first two parts of the preliminary examinations for associateship in the Society of Actuaries or their equivalent, and have acquired scholarship grades in mathematics, English, and economics.

The **Richard P. Horan Memorial Trophy** – presented annually by Sigma Nu Fraternity in memory of Richard P. Horan, '45, special agent of the Federal Bureau of Investigation, who was killed in line of duty April 19, 1957, to that fraternity showing the greatest interest and participation in community activities in Greater Hartford.

The **Human Relations Award** is awarded annually to an undergraduate who during the year has exhibited outstanding citizenship and sportsmanship. Sportsmanship is interpreted in its broadest sense and does not necessarily include achievement in athletics.

The **George J. Mead Prizes** are awarded under the terms of a bequest from the late Mr. George J. Mead, Hon. '37, for accomplishment in the fields of History, Government, and Economics. An annual prize of \$50 will be awarded on Honors Day of the following year to the freshman receiving the highest mark in History 101-102, *An Introduction to European History*.

The **Phi Gamma Delta Prizes** in Mathematics are offered to Freshmen taking Mathematics 105, 106 and to Freshmen or Sophomores taking Mathematics 201, 202. In each case, the first prize is \$50, the second prize is \$30, and the third prize is \$20. These prizes are from the income of a fund established in 1923, and increased in 1931 by the Alumni authorities of the local chapter of the Fraternity of Phi Gamma Delta.

The **Pi Gamma Mu Scholarship Award**, authorized by the National Board of Trustees of the Society, is given by the Connecticut Alpha Chapter in the interests of the promotion of scholarship in the social sciences on the Trinity campus. The award is made to one of the top five ranking Seniors who have pursued a major in one of the social sciences; additional considerations are that he be outstanding in scholarship and ability and that he shall have pursued a program of studies indicating breadth in the work of the social sciences.

The **Donn F. Porter Award**, was founded in 1954 by the Class of 1953 in memory of Donn F. Porter, who was posthumously awarded the Congressional Medal of Honor for valor in action before his death on Heartbreak Ridge, Korea, in 1952. The award is presented annually to a member of the freshman class for outstanding character and leadership.

The St. Anthony Educational Foundation Scholarship, founded in 1957, is awarded annually to a student who has a high academic standing and takes an active part in undergraduate affairs.

The Melvin W. Title Latin Prizes, founded in 1958 by Mr. Melvin W. Title, of the Class of 1918, are offered to students in Latin who attain the highest grade of excellence in the courses taken and in a special examination. A student who has received a prize is not again eligible to compete for the same prize. The winners also are awarded a Roman coin. The examination to be held the twenty-eighth of April, 1960, is designed to test the student's general knowledge of Latin, including composition and sight translation such as he may properly be expected to acquire from reading in connection with courses. No prize will be awarded unless the work offered is excellent.

The Trinity College Library Associates Student Book Collector's Prizes are awarded annually to three students who make collections of books in a specific field, or pertaining to some particular interest in one of these fields, or an intelligently selected nucleus of a general library for the future. Emphasis is placed on the student's knowledge of the contents of the collection and its usefulness. The total number of books or their money value is not a determining factor. The prizes are the gift of Dr. Jerome P. Webster, '10, a life trustee of the College and a former Chairman of the Library Associates.

The Miles A. Tuttle Prize of \$80 was founded in 1859 by the late Miles A. Tuttle, Esq. of Hartford. It is awarded to the member of the Senior Class who writes the best essay on a topic selected by the contestant with the approval of the Department of History. The essays must be submitted to the Chairman of the Department of History on or before April 15. No award will be made except for excellent work.

The Ruel Crompton Tuttle Prizes were established in 1941 by the bequest of Ruel Crompton Tuttle of Windsor, Class of 1889, to be awarded annually by the head of the English Department to the two students who are deemed by him respectively the best and second-best scholars in the English Department from the Junior Class; the first prize will be \$500 and the second prize \$250. The terms of award rest solely on the judgment and discretion of the head of the English Department. Students interested in the prizes should confer with the head of the English Department by April 1.

The Wall Street Journal Student Achievement Award is awarded each year to a Senior who is judged by the Department of Economics to have done the most outstanding work in the field of economics of any member of his class during his college career. The award consists of an individually engraved medal and a year's free subscription to the Wall Street Journal.

The Frank W. Whitlock Prizes of approximately \$60 and \$40 were founded by a legacy of Mrs. Lucy C. Whitlock, of Great Barrington, Massachusetts, and by her direction bear the name of her son who was a graduate in the Class of 1870. Students selected by a preliminary trial deliver their speeches in public in competition for the Whitlock Prizes before the end of April. Students should consult the instructor of Public Speaking for further details before the 15th of April. In determining the award, regard will be had both to composition and delivery.

Athletic Prizes

The Newton C. Brainard Squash Racquet Award is made annually to the winner of the college squash racquet championship tournament. The winner's name is inscribed on a bronze plaque on the wall of the squash racquet section of the Trowbridge Memorial Building.

The John Francis Boyer Most Valuable Player Award, established by St. Anthony

Hall in 1957, is presented to the player who has been of "Most Value to the Lacrosse Team." A major trophy is kept in the college trophy room and a replica is presented each year to the winner.

The Horace G. Cleveland, III, Tennis Medal was given by Sergeant and Mrs. William A. Merchant in memory of Horace G. Cleveland, III, Class of '42, 1st Lt. U. S. M. C. R., who was killed in action in the South Pacific. A medal is awarded each year to the tennis player who best combines the qualities of sportsmanship and leadership with tennis excellence.

The Coach's Foul Shooting Trophy is awarded annually by the varsity basketball coach to the member of the team who has made the highest foul shooting average in varsity contests.

The Edgar H. and Philip D. Craig Tennis Award, established in 1956, is awarded annually to a member of the varsity tennis squad who has shown the greatest improvement as a player over the previous year, and who has demonstrated qualities of team spirit and sportsmanship.

The Peter S. Fish Soccer Trophy is presented annually to the Senior on the Soccer team who best fulfills the following qualifications: (1) makes the greatest contributions to the team's success and (2) demonstrates gentlemanly conduct, good sportsmanship, and inspirational leadership. The trophy is kept in the college trophy case.

George Sheldon McCook Trophy, the gift of Professor and Mrs. John James McCook in 1902, is awarded annually by the Athletic Association of the College, through the Committee of the Faculty on Athletics and the Captains and Managers of the team, to a student in the Senior Class, who must be in good scholastic standing, on the basis of distinction in athletics. In determining the award, diligence and conscientiousness in the observance of all rules of drill, training, and discipline are taken into account, as well as manliness, courtesy, self-control, uprightness, and honor at all times, especially in athletic sports and contests. The name of the student receiving the award is attached to the trophy on a silver bar bearing his name and class date. He receives as his permanent property a bronze medal. This trophy is the athletic distinction most coveted in the College.

The John A. Mason Award, established in 1953, is presented to that member of the varsity squash racquet squad showing the greatest improvement during the year.

The Mears Prize of \$50 was established under the will of Dr. J. Ewing Mears of the Class of 1858. It is awarded by the Faculty on the recommendation of the head of the Department of Physical Education. The prize is awarded to a member of the Junior or Senior Class who writes the best essay on "Physical Fitness—A National Challenge." No student is eligible to compete for this prize who has not completed satisfactorily the requirements of the College in Physical Education. No prize is awarded unless two or more students are competing. The essays must be submitted on or before May 1st each year.

The Robert S. Morris Track Trophy, established in 1953, is awarded annually for the most valuable member of the varsity track team. The qualifications for this award are outstanding performance, attitude and sportsmanship. The trophy will be kept in the college trophy case and a replica will be given each year to the winner.

The "1935" Award is presented annually by the Class of 1935 to the player who has been of "most value" to the football team. The qualifications for this award are leadership, sportsmanship, team spirit, loyalty, and love of the game. A major trophy is kept in the college trophy case, and a replica is given to the recipient on Class Day.

The Pappas Golf Award is presented annually to the most valuable player on the varsity golf team.

The Harold R. Shetter Soccer Trophy, established in 1950 in memory of Harold

R. Shetter, Coach of Soccer 1948-50, is awarded annually to the member of the Varsity Soccer Squad who has shown the greatest improvement as a player over the previous year and who has also demonstrated qualities of team spirit and sportsmanship.

The John E. Slowik Swimming Award is made annually in memory of John E. Slowik, Class of 1939, Captain in the U. S. Army Air Corps who was killed in action over Germany. The award is to be made to the most valuable member of the Varsity Swimming Team considering ability, conscientiousness in the observance of all rules of practice and training, and qualities of leadership. The first award was made in 1950.

The John Sweet Batting Award is given annually to the member of the varsity baseball team having the highest batting average for the season.

The Arthur P. R. Wadlund Basketball Award, awarded annually to the most valuable player on the varsity team, was donated by V. Paul Trigg, Class of 1936, in memory of Professor Arthur P. R. Wadlund, Jarvis Professor of Physics. A major trophy is kept in the college trophy room and a replica is presented each year to the winner.

The Lewis M. Walker Cup is awarded annually in memory of Lewis M. Walker, a keen follower of sports who sent two sons to Trinity College. A large trophy is awarded the winner of the annual intra-mural golf championship, and a smaller trophy is awarded the player with the lowest medal score in the tournament.

The Dan Webster Baseball Award is awarded annually to the player who has been of "most value" to the baseball team. The major trophy is kept in the college trophy case and a replica is presented to the award winner.

The Wyckoff Golf Award is presented annually to the winner of the varsity golf team tournament.

Awards for 1959-60

Valedictorian: YING-YEUNG YAM

Salutatorian: WILLIAM JOSEPH PATERSON

THE H. E. RUSSELL FELLOW: Donald L. Plank

THE MARY A. TERRY FELLOW: Ying-Yeung Yam

THE W. H. RUSSELL FELLOW: Marvin W. Peterson

COMPETITIVE SCHOLARS

HOLLAND SCHOLARS: David B. Leof, '60; John E. Stambaugh, '61; Daniel B. Tuerk, '62

GOODWIN-HOADLEY SCHOLAR: John R. Hebel, '63

SPECIAL SCHOLARSHIPS

ARROW-HART AND HEGEMAN SCHOLAR: Edward T. Flynn

GEORGE F. BAKER SCHOLARS: Richard P. Bernstein, Charles S. Boyd, David C. Brewster, Robert E. Bylin, Frank T. Johnson, Jr., Elias H. Karson, Victor F. Keen, Timothy F. Lenicheck, Scott W. Reynolds, John S. Waggett

CAPITAL AREA SCHOLARS: Michael J. Daly, R. Kimball Dickson, Wesley V. Feshler, Edward T. Flynn, Frank P. Friedman, Paul T. Hannigan, Timothy W. Johnson, Stanley J. Marcuss, Thomas C. Marshall, Donald E. McCormick, Guy E. Morrison, Robert H. Parlee, Stephen Repetto, Ihor Zachariasewycz

DUPONT SCHOLARS: Frank R. Gudas, Timothy D. MacGrandle, Burton Tiffany, Edward B. Waxler

FERGUSON-MCGREGOR SCHOLARS: Robert O. Brush, Robert C. Field, Robert C. McNally, David L. Ostapko

FLANNERY SCHOLARS: Bohdan Balko, Fowler B. Norris

KRISTINA HALLDEN SCHOLAR: Thomas P. Arvantely

MARGARET HALLDEN SCHOLAR: Martin V. Dagata

HARTFORD FIRE INSURANCE COMPANY SCHOLAR: Stephen L. Perreault

ILLINOIS SCHOLARS: Ronald A. Blanken, Marshall E. Blume, III, Eugene W. Curry, Robert L. Down, Hugh W. Ewart, Jr., James P. Fox, Stephen E. Funk, Carl E. Giegler, Jerry B. Gough, Frank R. Gudas, Robert P. Guertin, James T. Hendrick, Bruce B. Henry, Michael E. Hill, Charles L. Hoffman, Henry D. Kisor, William S. Leahy, Mark L. Lyndrup, Malcolm M. McGawn, William J. Paterson, Marvin W. Peterson, Roy Price, James K. Rader, Dennis B. Rodgers, Paul R. Rohlfing, Robb N. Russell, Don G. Smith, Michael Washington, George F. Will

MEYERS SCHOLARS: Thomas S. Johnson, David A. Stegner

PHOENIX MUTUAL INSURANCE SCHOLAR: Ronald S. Steeves

RCA TEACHER SCIENCE SCHOLARSHIP: Donald L. Plank

SEABURY SCHOLARS: Robert H. Parlee, Bradford L. Wright

TRINITY CHURCH (New York City) SCHOLARS: Philip J. Newman, David W. Sifton

JAMES WEBBER SCHOLAR: John A. W. Densem

WESTINGHOUSE SCHOLAR: Emil D. Arle

SCHOLARSHIPS FOR STUDENTS FOR THE MINISTRY

THOMAS BACKUS SCHOLAR: Thomas M. Kelly

BURHANS SCHOLAR: Reed H. Brown

ISAAC H. TUTTLE SCHOLAR: Frank K. Jago

GENERAL SCHOLARSHIPS

ARMSTRONG SCHOLAR: George A. Guiliano

BACKUS SCHOLAR: Thomas R. Berger

BECKWITH SCHOLARS: Paul J. LaRocca, Rodney G. Whitelaw

BETHLEHEM STEEL SCHOLAR: David A. Golas

BISHOP OF CONNECTICUT SCHOLAR: Charles J. Minifie

GRACE EDITH BLISS SCHOLARS: Frank L. Sears, David E. Wilson

GEORGE MEAD BOND SCHOLAR: Richard L. Rader

LUCY M. BRAINERD SCHOLAR: Michael A. Schulenberg

BRONSON SCHOLAR: Philip J. Newman

CARPENTER SCHOLAR: Kenneth D. Aldrich

CLASS OF 1916 SCHOLARS: Phillip W. Correll, Kevin L. O'Brien, Robert M. Rodney, Jr.

ARCHIBALD CODMAN SCHOLAR: Dana A. Cleaves

COLE SCHOLAR: Stephen T. Imrie

COLLEGIATE SCHOLAR: Allen M. Schneider

CONVERSE SCHOLARS: David S. Alberts, Richard F. Gold, Richard P. Stenta

LEMUEL J. CURTIS SCHOLAR: William B. McPherson, III

CHARLES F. DANIELS SCHOLAR: Raymond A. Drate

J. H. KELSO DAVIS SCHOLARS: W. Gary Knisely, Harrison C. Stetler

DILLON SCHOLAR: Dale M. Peatman

DOUGLAS SCHOLAR: Robert E. Brault

EASTERBY SCHOLAR: Michael K. Kauff

ELLIS SCHOLAR: Michael C. Canaday

ELTON SCHOLARS: David P. Traut, Edward B. Waggoner

S. P. AND BARR FERREE SCHOLAR: Stephen J. Cool

THOMAS FISHER SCHOLAR: Thomas G. McCord

FLAGG SCHOLAR: John A. W. Densem

FRANK ROSWELL FULLER SCHOLAR: Frank L. Sears

ELBERT H. GARY SCHOLARS: David G. Daniels, William G. deColigny, Edward H. Mellor, Robert F. Muttart, Joseph V. Nardiello

GENERAL SCHOLAR: Roger E. Nelson

GEORGE SHEPARD GILMAN SCHOLAR: Richard H. Anderson

JAMES HARDIN GEORGE SCHOLAR: Francis J. Cummings

HALLDEN ENGINEERING SCHOLARS: Emil D. Arle, Thomas R. Berger, George A. Guiliano, Christopher A. Hodges, Peter A. Lue, Daniel L. Ostapko, John A. Szumczyk, George W. Viering

HALSEY SCHOLAR: John W. Fitzgerald

HARTFORD ROTARY-CHARLES J. BENNETT SCHOLAR: Francis P. Urban, Jr.

GEORGE KNEELAND SCHOLAR: Christopher P. Gilson

GEORGE SHELDON MCCOOK SCHOLAR: Barry G. Royden

MCLEAN SCHOLAR: Paul D. Lazay

CAROLINE SIDNEY MEARS SCHOLAR: John D. Avallone

C. B. MOAK SCHOLARS: Roger E. Nelson, Richard M. Schwiebert

ROBERT S. MORRIS SCHOLARS: Alexander M. Guild, Robert G. Johnson

SHIRAS MORRIS SCHOLAR: Walter E. Koch

REMSEN BRINCKERHOFF OGILBY SCHOLARS: David D. Holroyd, Wiley A. Jones, Jr.

DWIGHT WHITEFIELD PARDEE SCHOLAR: Lawrence L. Dawson

HENRY PERKINS SCHOLAR: Hiram R. Gooden

RETURNED SCHOLARSHIP SCHOLAR: John R. Hebel

GOVERNOR ABRAHAM A. RIBICOFF SCHOLAR: Joseph T. Albano

MARIA L. RIPLEY SCHOLAR: Boris M. Luts

GENERAL GRIFFIN A. STEDMAN SCHOLAR: Irving H. LaValle

SUISMAN FOUNDATION SCHOLARS: Richard A. Druckman, John C. Norman

EDWIN P. TAYLOR SCHOLAR: Thomas A. Musante

MATHEW GEORGE THOMPSON SCHOLARS: Paul J. Devendittis, Bruce H. Frank, John C. Kuehnle, Del A. Shilkret, Thomas C. Snyder, Ilhi Synn, Albert Zakarian

WILLIAM TOPHAM SCHOLAR: Thomas M. Kelly

TRINITY SCHOLARS: Robert A. Dinsmore, W. Paul Ferguson, Charles A. Goad, Hunter B. Harris, Francis W. Kollett, Robert C. Kraut, Peter O. D. Landerman, Emmett E. Miller, Richard J. Moore, Kenneth J. Pedini, R. Frederick Pettit, III, Michael A. Pleva, Michael J. Quigley, David A. Raymond, Mark Shapiro, Richard A. Stroud, James R. Sweeney, Frederick P. Williams, Cyril Yonov

B. FLOYD TURNER SCHOLAR: Thornton G. Sanders

WEAN SCHOLARS: George A. Raymond, Raymond A. Slater

MARY HOWARD WILLIAMS SCHOLAR: William W. Weber

ISIDORE WISE SCHOLARS: Robert S. Roxby, Richard B. Smith

CHARLES G. WOODWARD SCHOLARS: Robert A. Bell, Kenneth S. Greenwald, David A. Webster

VERTREES YOUNG SCHOLAR: Ying-Yeung Yam

HONORS AND PRIZES

THE ALUMNI PRIZES IN ENGLISH COMPOSITION: First Prize: David B. Leof; Second Prize: Oliver Swigert; Third Prizes: Not awarded

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS PRIZE: Robb N. Russell

THE CESARE BARBIERI ESSAY PRIZES: Not awarded

THE CESARE BARBIERI PRIZES FOR EXCELLENCE IN SPOKEN ITALIAN: First Prize: Ross D. Hall; Second Prize: Robert D. Wilcox

F. A. BROWN PRIZES—ENGLISH ORATION: First Prize: Frederick W. Wagner, III; Second Prize: Lee H. Kalcheim; Third Prize: David B. Leof

DELTA PHI ALPHA BOOK PRIZE: Not awarded

THE FERGUSON PRIZE FOR ECONOMIC ESSAYS: Irving H. La Valle, David W. Chase

THE FERGUSON PRIZES IN HISTORY: Not awarded

THE FERGUSON PRIZE IN POLITICAL SCIENCE: Not awarded

THE RONALD H. FERGUSON PRIZES FOR EXCELLENCE IN FRENCH: First Prize: George Weisz; Second Prize: John D. Avallone

THE FRATERNITY SCHOLARSHIP CUP: Not awarded

THE JAMES GOODWIN GREEK PRIZES: First Prize: John E. Stambaugh; Second Prize: David E. Wilson

THE RICHARD P. HORAN MEMORIAL TROPHY: Theta Xi

THE HUMAN RELATIONS AWARD: Charles G. Mixter, III

THE JESTERS ONE-ACT PLAY WRITING CONTEST: First Prize: Lee H. Kalcheim; Second Prize: Robert A. Winter; Third Prize: Paul H. Briger

THE GEORGE J. MEAD PRIZE IN GOVERNMENT: Not awarded

THE GEORGE J. MEAD PRIZE IN HISTORY: David W. Sifton

NATIONAL SCIENCE FOUNDATION FELLOWSHIP: Donald L. Plank

THE PHI GAMMA DELTA PRIZES IN MATHEMATICS: First Year Mathematics: First Prize: Raymond A. Drate; Second Prize: Stephen H. Tucker; Third Prize: Stephen L. Perreault. Second Year Mathematics: First Prize: Bohdan Balko; Second Prize: Thomas G. McCord, Mark Shapiro; Third Prize: Francis P. Urban, Jr.

THE PHI GAMMA MU SCHOLARSHIP AWARD: David B. Leof

THE DONN F. PORTER MEMORIAL AWARD: Peter M. Sherin

THE ROMANCE LANGUAGE DEPARTMENT PRIZE FOR EXCELLENCE IN SPANISH: Louis A. Rincón

ST. ANTHONY EDUCATIONAL FOUNDATION SCHOLARSHIP: Not awarded

THE MELVIN TITLE LATIN PRIZES: First Prize: Francis P. Urban, Jr.; Second Prize: John E. Stambaugh

TRINITY COLLEGE—UNIVERSITY OF CHICAGO GRADUATE SCHOOL OF BUSINESS SCHOLARSHIP: Sanford A. Bredine

TRINITY COLLEGE—UNIVERSITY OF CHICAGO LAW SCHOOL SCHOLARSHIP: Spencer L. Smith

TRINITY COLLEGE LIBRARY ASSOCIATES STUDENT BOOK COLLECTOR'S PRIZES: First Prize: Jere L. Bacharach; Second Prize: Robert E. Harned; Third Prize: David B. Leof

THE MILES A. TUTTLE PRIZE: Not awarded

RUEL CROMPTON TUTTLE PRIZES: First Prize: John E. Stambaugh; Second Prize: Thomas A. Musante

THE WALL STREET JOURNAL STUDENT ACHIEVEMENT AWARD: Irving H. LaValle

THE FRANK W. WHITLOCK PRIZES—PUBLIC SPEAKING: First Prize: David B. Leof; Second Prize: Richard J. Moore

WOODROW WILSON FELLOWSHIPS: Robert C. Larsen; Honorable Mention, Fowler B. Norris

Honor Societies

PHI BETA KAPPA: Arthur O. Enquist, Aaron I. Fleischman, Robert C. Larsen, Irving H. LaValle, David B. Leof, David J. Narins, Fowler B. Norris, William J. Paterson, Marvin W. Peterson, Clark Phippen, Donald L. Plank, Alan K. Salmon, Michael Washington, Ying-Yeung Yam

PI GAMMA MU: Jere L. Bacharach, Robert E. Brault, Joseph A. Broder, Paul J. Devendittis, Arthur O. Enquist, Donald J. Fish, Aaron I. Fleischman, William S. Hokanson, Frank K. Jago, Karl P. Koenig, George P. Lynch, Jr., Edward H. Mellor, Fowler B. Norris, George R. Pare, John A. Peters, Paul R. Rohlfing, Allen M. Schneider, Richard M. Schweibert

SIGMA PI SIGMA: Bohdan Balko, Eugene W. Curry, Robert L. Down, Christopher A. Hodges, James E. Platts, Robb N. Russell, Mark Shapiro, Francis P. Urban, Jr.

DELTA PHI ALPHA: Thomas P. Arvantely, William E. Byrne, Paul J. Devendittis, Ross D. Hall, Tiido Kallas, Peter P. Langlykke, Boris M. Luts, Donald A. Pine, Mark Shapiro, John E. Stambaugh, Ilhi Synn

PSI CHI: William S. Hokanson, Robert C. McNally, Daniel A. Myerson, Paul M. Myerson, Philip J. Newman, Norman L. Tuomi

WINNERS OF 1959-60 ATHLETIC PRIZES

THE NEWTON C. BRAINARD SQUASH RACQUETS AWARD - Donald D. Mills

THE JOHN FRANCIS BOYER LACROSSE AWARD - Frederick W. Wagner

THE HORACE G. CLEVELAND III TENNIS MEDAL - To be awarded

THE COACH'S FOUL SHOOTING TROPHY - John C. Norman

THE CRAIG TENNIS AWARD - Jonathan Granger

THE PETER S. FISH SOCCER TROPHY - John W. Bassett

THE GEORGE SHELDON MCCOOK TROPHY - William G. deColigny

THE JOHN A. MASON AWARD - Jerome Farnsworth

THE MEARS PRIZE - Not awarded

THE ROBERT S. MORRIS TRACK TROPHY - Robert C. Langen

THE "1935" AWARD - Robert G. Johnson

THE PAPPAS MOST VALUABLE GOLF AWARD - William Byrne

THE HAROLD R. SHETTER SOCCER TROPHY - Donald D. Mills

THE JOHN E. SLOWIK SWIMMING AWARD - Robert S. Morgan

THE JOHN SWEET BATTING AWARD - Douglas K. Anderson

THE ARTHUR P. R. WADLUND BASKETBALL AWARD - Barry G. Royden

THE LEWIS M. WALKER CUP - Robert Zimmerman

THE DAN WEBSTER BASEBALL AWARD - Alvin P. Perlman

THE WYCKOFF GOLF AWARD - Roderick McRae

AIR FORCE RESERVE OFFICERS TRAINING CORPS

Distinguished AFROTC Cadets

David W. Smith
Mark L. Lyndrup

Robert M. Rodney
Norman L. Tuomi

Thomas B. Wilson
Michael J. Quigley

AWARDS AND MEDALS FOR 1960

- AIR FORCE ASSOCIATION SILVER MEDAL – to the graduating cadet officer who has exhibited the highest leadership, scholastic excellence in military subjects and achievement in academic courses. – Cadet Colonel Robert J. Duval.
- COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY AWARD – to the member of the AFROTC Rifle Team who has compiled the highest seasonal record. – Cadet Airman First Class Charles L. Hoffman.
- CONNECTICUT COMMANDERY OF THE MILITARY ORDER OF FOREIGN WARS AWARD – to the graduating cadet officer who has maintained the highest degree of military proficiency during the advanced course. – Cadet Lieutenant Colonel Michael P. Rhodes.
- CONNECTICUT DEPARTMENT, RESERVE OFFICERS ASSOCIATION AWARD – to the basic course cadet who has demonstrated the highest academic performance in military subjects – Cadet Airman Third Class Thomas R. Knox.
- CONVAIR AWARD – to the cadet who has displayed the greatest interest in aviation and desire for flying training in the first year, basic course. – Cadet Airman Third Class Kim S. Waterhouse.
- FIRST COMPANY, GOVERNOR'S FOOT GUARD AWARD – to the basic course cadet who has exhibited the highest military proficiency, and a high degree of merit with respect to leadership, military bearing and excellence in his academic course of study. – Cadet Master Sergeant Richard C. Cunneen.
- FIRST COMPANY, GOVERNOR'S FOOT GUARD BAND AWARD – to the cadet who has contributed in an exemplary manner to the success of the AFROTC Drum and Bugle Corps. – Cadet Technical Sergeant Leon O. Shaw.
- FIRST COMPANY, GOVERNOR'S HORSE GUARDS AWARD – to the graduating cadet officer from the State of Connecticut who has demonstrated a high degree of improvement in military proficiency and an interest in an Air Force career. – Cadet Major Alvin P. Perlman.
- HARTFORD CHAPTER, MILITARY ORDER OF THE WORLD WARS AWARD – to the cadet in the second year basic course who has demonstrated the greatest interest in flying and an Air Force career. – Cadet Airman Second Class Kermit Mitchell.
- HARTFORD CHAPTER NUMBER FIFTY-SIX, NATIONAL SOJOURNERS AWARD – to the cadet who has demonstrated exceptional effort in the first year, basic course. – Cadet Airman Basic Lloyd L. Reynolds.
- HARTFORD CHAPTER, RESERVE OFFICERS ASSOCIATION AWARD – to the cadet who has demonstrated outstanding loyalty and interest in the first year, advanced course. – Cadet Technical Sergeant Rotyslaw Sobol.
- HARTFORD COURANT AWARD – to the cadet who has consistently distinguished himself by sincerity, loyal cooperation, and unquestioning devotion to the mission of the Cadet Corps. First year, advanced course. – Cadet Technical Sergeant Robert M. Rodney.
- HARTFORD CHAPTER, YANKEE DIVISION VETERANS' ASSOCIATION AWARD – to the graduating cadet officer who rendered outstanding support in the accomplishment of the mission of the Cadet Corps. – Cadet Captain David W. Smith.
- KAMAN AIRCRAFT CORPORATION AWARD – to the cadet who has exhibited a high degree of merit with respect to leadership, military bearing, and excellence in his academic courses of study. First year, basic course. – Cadet Airman Basic Donald F. Taylor.
- 9057TH AIR RESERVE GROUP AWARD – to the second year, basic course cadet who has

demonstrated military proficiency and academic performance to a high degree. - Cadet Airman First Class Frank R. King.

PRATT AND WHITNEY AIRCRAFT AWARD - to the graduating cadet officer who has demonstrated the highest leadership, academic ability, cooperation and loyalty. - Cadet Colonel Robert J. Duval.

SAVITT'S AWARD - to those members of the Drill Team who distinguished themselves by their effort, ability and devotion to mission. - Cadet Captain David W. Smith on behalf of the Drill Team.

TRINITY CLUB OF HARTFORD AWARD - to the graduating cadet officer with whom the Non-commissioned officers of the AFROTC Detachment would most like to serve on active duty. - Cadet Major Gary Casali.

Degrees Conferred in 1960

The following degrees, having been voted by the Corporation, were duly conferred at the public Commencement Exercises June 12.

BACHELORS DEGREES IN COURSE

Ying-Yeung Yam, *Connecticut*, B.S.

VALEDICTORIAN

with Honors in General Scholarship and Physics

William Joseph Paterson, *Illinois*, B.S.

SALUTATORIAN

with Honors in Engineering

Thomas Phillip Arvantly, *Connecticut*, B.S.
with Honors in German

William Gaspard de Coligny, *Virginia*, B.A.
with Honors in Fine Arts

Robert Lee Down, *Illinois*, B.S.
with Honors in Engineering

Arthur Olof Enquist, *Connecticut*, B.A.
with Honors in History

Aaron Isaac Fleischman, *Illinois*, B.A.
with Honors in English

James Keleher Gavin, *Massachusetts*, B.A.
with Honors in Fine Arts

Allen David Goldhamer, *Ohio*, B.A.
with Honors in English

Frank Kincaid Jago, *New Jersey*, B.A.
with Honors in Religion

Robert Caswell Larsen, *New York*, B.A.
with Honors in Romance Languages

Irving Howard LaValle, *New York*, B.A.
with Honors in Economics

Harold Joseph Salm, *New York*, B.A.
with Honors in German

Alan Kent Salmon, *New Jersey*, B.A.
with Honors in Romance Languages

Allen Morris Schneider, *Connecticut*, B.S.
with Honors in Psychology

David Benjamin Leof, *Pennsylvania*, B.A.
with Honors in Philosophy

Richard Erving Machol, *Connecticut*, B.S.
with Honors in Engineering

David Joel Narins, *New York*, B.S.
with Honors in Biology

Marvin William Peterson, *Illinois*, B.S.
with Honors in Engineering

Anthony Stuart Wiley Phillips, *New York*, B.A.
with Honors in Fine Arts

Clark Phippen, *Massachusetts*, B.S.
with Honors in Engineering

Donald Leroy Plank, *Connecticut*, B.S.
with Honors in Mathematics and Physics

Anthony Pratt, *New York*, B.A.
with Honors in Fine Arts

Robb Nichols Russell, *Illinois*, B.S.
with Honors in Engineering

Peter Strasser, *New York*, B.A.
with Honors in History

Robert Aljian Winter, *New York*, B.A.
with Honors in English

Jules Stafford Worthington, *Connecticut*, B.A.
with Honors in Fine Arts

Robert William Adams, *Connecticut*, B.S.
Joseph Thomas Albano, *Connecticut*, B.A.
Samuel Edward Aliano, *Connecticut*, B.A.
Hodell Anderson, *Rhode Island*, B.A.
Peter Stickney Anderson, *Connecticut*, B.A.
Richard Hall Anderson, *New York*, B.A.
Robert Joseph Andreana, *Connecticut*, B.A.
Emil David Arle, *Connecticut*, B.S.
Jere Lehman Bacharach, *New York*, B.A.
Edwin Theodore Bailey, Jr., *Connecticut*, B.A.
Richard Joseph Bajek, *Connecticut*, B.S.
Joseph John Balchunas, *Connecticut*, B.A.
Malcolm Bohun Barlow, *Pennsylvania*, B.A.
John Wheeler Bassett, *New Jersey*, B.S.

Abbott Timothy Baum, *New York*, B.A.
Robert Guy Beaven, *New York*, B.S.
Raymond John Beech, Jr., *New Jersey*, B.A.
Roland Throop Bergh, *New York*, B.S.
Charles Arnold Bergmann, *New Jersey*, B.S.
Russell Freeman Bjorklund, *Connecticut*, B.A.
George Gilcrest Black, *Michigan*, B.A.
Adolph Jerome Bodine, Jr., *California*, B.S.
Richard Gardner Bowden, *Rhode Island*, B.A.
Neboysha Ranko Brashich, *New York*, B.A.
Sanford Alan Bredine, *Illinois*, B.A.
Richard Mark Brenner, *Connecticut*, B.A.
Charles Allen Bridley, *New York*, B.A.

- Edward William Brink, *Connecticut*, B.A.
 Craig Vernon Broberg, *Massachusetts*, B.A.
 Joseph Arnold Broder, *Connecticut*, B.A.
 Kenneth Roland Brown, *Massachusetts*, B.A.
 Reed Haller Brown, *New York*, B.A.
 Charles Sherman Burger, *California*, B.A.
 Walter Joseph Burns, Jr., *Colombia*, B.A.
 James Wilson Butler, *Connecticut*, B.A.
 Michael Clay Canaday, *South Carolina*, B.S.
 Alva Babcock Caple, *Ohio*, B.A.
 John Josiah Carey, Jr., *Connecticut*, B.S.
 Gary Casali, *Massachusetts*, B.S.
 Robert MacDonald Champlin, *Rhode Island*, B.S.
 David Whittier Chase, *Connecticut*, B.A.
 David Ira Chichester, *Connecticut*, B.A.
 Joseph Michael Cimborra, Jr., *Connecticut*, B.A.
 Edward Michael Cimilluca, *New York*, B.A.
 Stephen David Clahr, *New York*, B.S.
 Carrington Clark, Jr., *Illinois*, B.A.
 Gordon Wilmer Clarke, Jr., *Connecticut*, B.S.
 Neil William Coogan, *Connecticut*, B.A.
 Lloyd McClure Costley, *Illinois*, B.A.
 William Burdette Crane, III, *Connecticut*, B.A.
 Eugene Wesley Curry, *Illinois*, B.S.
 Martin Victor Dagata, *Connecticut*, B.A.
 Francis Anthony D'Anzi, *Connecticut*, B.S.
 Christopher William Davenport, *Kentucky*, B.A.
 Walter Richard Davy, *Pennsylvania*, B.A.
 Robert Joseph Duval, *Connecticut*, B.A.
 Roger David Emley, *Pennsylvania*, B.A.
 Weymouth Eustis, *Connecticut*, B.S.
 William Frederick Evenson, *Connecticut*, B.A.
 Jerome Farnsworth, *Massachusetts*, B.A.
 John West Felton, *Maine*, B.A.
 Courtland Delos Ferguson, II, *Maryland*, B.A.
 Michael Lee Filiurin, *Massachusetts*, B.A.
 James Clark Forman, *New York*, B.A.
 Frederick Stoy Fox, III, *New Jersey*, B.A.
 Brian Burns Foy, *Ohio*, B.A.
 Bruce Hill Frank, *Connecticut*, B.S.
 William David Frawley, *Massachusetts*, B.S.
 Birger Blade Gabrielson, *Connecticut*, B.S.
 Joseph Lloyd Gage, Jr., *Pennsylvania*, B.A.
 Donald John Galati, *Connecticut*, B.S.
 Edward Francis Gebelein, *Connecticut*, B.S.
 Louis Palmer Gerundo, Jr., *Connecticut*, B.S.
 James Gendron Gibbs, Jr., *South Carolina*, B.S.
 David Anthony Golas, *Connecticut*, B.A.
 Arnold Goldstein, *Connecticut*, B.A.
 Preston Walker Grant, Jr., *Maryland*, B.S.
 Terrill Eric Graves, *Connecticut*, B.A.
 Arthur Jacob Green, *New Jersey*, B.S.
 Raymond Vernon Greenlee, *Illinois*, B.S.
 Kenneth S. Greenwald, *New York*, B.A.
 Frank Robert Gudas, *Illinois*, B.S.
 Ernest Mudarri Haddad, *Massachusetts*, B.A.
 Richard Paul Hall, *Rhode Island*, B.A.
 Robert Tom Hall, *Connecticut*, B.A.
 Richard Donald Hanelius, *Connecticut*, B.S.
 Dixon Holman Harris, *Missouri*, B.A.
 Jon Michael Harrison, *Connecticut*, B.A.
 James Martin Haynes, *Washington, D.C.*, B.A.
 Karl Willie Hochadel, *Connecticut*, B.A.
 William Seth Hokanson, *Connecticut*, B.S.
 William John Huffer, *New York*, B.A.
 William Patterson Hunter, *New Jersey*, B.A.
 Richard Douglas Irwin, *Pennsylvania*, B.A.
 William Croft Jennings, Jr., *South Carolina*, B.A.
 Clifford Terry Johnson, *Connecticut*, B.A.
 Milton Earl Johnson, Jr., *Connecticut*, B.A.
 Robert Gregory Johnson, *Connecticut*, B.A.
 John Charles Joseph, *Illinois*, B.S.
 Lee Harry Kalcheim, *Pennsylvania*, B.A.
 Jonathan Keroes, *New York*, B.S.
 Robert Stanley Kirk, *Pennsylvania*, B.S.
 Karl Peter Koenig, *New York*, B.A.
 Arthur Kotch, *Connecticut*, B.S.
 John Dominique LaMothe, Jr., *Delaware*, B.A.
 Robert Carl Langen, *New Jersey*, B.S.
 James William Law, *Tennessee*, B.A.
 Stephen Michael Lazarus, *New York*, B.S.
 Matthew Arnold Levine, *Pennsylvania*, B.A.
 Michael David Lieber, *Pennsylvania*, B.A.
 Morris Lloyd, Jr., *Pennsylvania*, B.A.
 Tom Swift Ludlow, *Connecticut*, B.S.
 Kenneth Joel Lyons, *New York*, B.A.
 William Hough Macdermott, *Connecticut*, B.A.
 John Whittier Mason, *Wisconsin*, B.S.
 Fred Albert Mauck, *Illinois*, B.A.
 John Erastus McKelvy, *Pennsylvania*, B.A.
 Edward Harvey Mellor, *Massachusetts*, B.A.
 Charles Joseph Middleton, *New York*, B.A.
 Edward Lillie Pierce Milholland, *New Jersey*, B.A.
 John Michael Moran, *Connecticut*, B.A.
 Robert Story Morgan, *Connecticut*, B.A.
 Michael Andrian Moroney, *Connecticut*, B.S.
 Murray Hayward Morse, Jr., *Connecticut*, B.A.
 Philip John Newman, *Florida*, B.S.
 Richard Thomas Nolan, *Massachusetts*, B.A.
 William James Noonan, *Connecticut*, B.S.
 Michael David Norenberg, *Connecticut*, B.S.
 Fowler Barnes Norris, *Connecticut*, B.S.
 Woodley Beal Osborne, Jr., *New Jersey*, B.A.
 Robert Alfred Pedemonti, *Connecticut*, B.A.
 Alvin Paul Perlman, *Connecticut*, B.S.
 John Apperley Peters, *Massachusetts*, B.A.
 Charles Maxwell Peterson, Jr., *Pennsylvania*, B.A.
 Nicholas Francis de Selmeczi Poschl, *New York*, B.S.
 Robert Leach Puffer, *Connecticut*, B.A.
 Michael Philip Rhodes, *Connecticut*, B.A.

Grosvenor Hutchins Lee Richardson,
New Jersey, B.A.
 Bruce McFarland Rockwell, *Michigan, B.A.*
 Barry George Royden, *Connecticut, B.A.*
 David Milner Russell, *Connecticut, B.S.*
 John Loomis Rutledge, *Connecticut, B.A.*
 Charles Daly Ryder, *Connecticut, B.A.*
 William Arthur Sachs, *New York, B.S.*
 James Richard Sallinger, *Massachusetts,*
B.A.
 John Allston Sargent, Jr., *Connecticut, B.A.*
 John Frederick Schulik, *New York, B.A.*
 Richard Martin Schwiebert, *New Jersey,*
B.A.
 Curtis Merrill Scribner, *Maine, B.A.*
 Edward William Seifert, *Pennsylvania, B.A.*
 James Wayne Shetter, *Pennsylvania, B.A.*
 James Chandler Shulthiess, *Connecticut, B.S.*
 Michael A. Sienkiewicz, *Pennsylvania, B.A.*
 Steven Leonard Siskind, *New York, B.A.*
 Spencer Lanier Smith, *Florida, B.A.*
 Lewis Frederick Snow, Jr., *Connecticut, B.A.*
 Edward Bradley Speno, *New Jersey, B.A.*
 Richard John Stec, *Connecticut, B.A.*
 Richard Paul Stenta, *Massachusetts, B.A.*
 Roy Lambert Stephens, *Massachusetts, B.A.*
 Richard Warren Stockton, *New Jersey, B.A.*
 Donald Burton Stokes, *Connecticut, B.A.*
 Bruce Stone, *Connecticut, B.A.*

George Strawbridge, Jr., *Pennsylvania, B.A.*
 Robert Thomas Sweet, *Connecticut, B.A.*
 Oliver Swigert, *Connecticut, B.A.*
 Lamont Dominick Thomas, *Connecticut, B.A.*
 Burton Tiffany, *Connecticut, B.S.*
 James Arthur Tilzer, *New York, B.A.*
 Mark Bradley Tracy, *Connecticut, B.S.*
 John Alan Trepl, *Connecticut, B.A.*
 Peter Tsairis, *New York, B.S.*
 Michael David Varbalow, *New Jersey, B.A.*
 Anthony Lee Wachs, *Pennsylvania, B.S.*
 Michael Sedgwick Wade, *Maryland, B.A.*
 Frederick W. Wagner, III, *Maryland, B.A.*
 John Craven Wardell, *New Jersey, B.S.*
 Michael Washington, *Illinois, B.S.*
 Charles Albert Webb, Jr., *Maryland, B.A.*
 Robert Michael Weinstock, *Pennsylvania,*
B.S.
 George Weisz, *New York, B.A.*
 Thomas Frederick White, *Connecticut, B.A.*
 Rodney Galloway Whitelaw, *New Jersey,*
B.A.
 John Webster Wilcox, *Connecticut, B.A.*
 John Walton Winans, *Michigan, B.A.*
 Robert Wilmot Wright, *Connecticut, B.A.*
 Thomas McKay Wyckoff, *Pennsylvania, B.A.*
 Melville Curtis Young, *Pennsylvania, B.A.*
 Myron Joseph Zitt, *New York, B.S.*

BACHELORS DEGREES IN ENGINEERING IN COURSE

William Robert Abeles, *New York, B.S.M.E.*
 Charles Dan Beristain, *Connecticut, B.S.M.E.*
 James Frederick Joy, *Michigan, B.S.E.E.*

MASTERS DEGREES IN COURSE

William Runnals Atherton	B.A., 1948, Colby College	M.A.
Patricia Mae Benny	B.S., 1956, St. Joseph College	M.A.
Elizabeth Terrill Bentley	B.A., 1930, Vassar College, M.A., 1935, Columbia University	M.A.
John Joseph Boyle	B.S., 1954, University of Connecticut	M.A.
David Mansfield Bunnell	B.S., 1954, Trinity College	M.S.
Casmir Thomas Bycoski	B.S.E.E., 1953, University of Connecticut	M.S.
Grace Louise Carbone	B.S., 1949, Boston University	M.A.
Walter Anson Carey, II	B.A., 1956, Wesleyan University	M.S.
Eileen LeBer Cassidy	B.S., 1941, New Haven State Teachers College, M.A., 1945, Yale University	M.A.
Margreta Swenson Cheney	B.A., 1932, Bryn Mawr College	M.A.
Barbara Jean Delmore	B.A., 1954, St. Joseph College	M.A.
Anthony D'Onofrio	B.S.E.E., 1951, University of Connecticut	M.S.
Albert Charles Daskocil, Jr.	B.S., 1953, Queens College	M.S.
Everett Benedict Dowe, Jr.	B.S., 1945, College of the Holy Cross	M.A.
Dorothy Ann Egan	B.A., 1957, Connecticut College for Women	M.A.
Harry William Evans	B.A., 1953, Amherst College	M.A.
Mary Jones Fitzgerald	B.S., 1950, St. Joseph College, B.S., 1953, New Haven State Teachers College	M.A.
Robert Stephen Ford	B.A., 1950, Providence College	M.A.
Kathleen Patricia Gormley	B.A., 1956, Emmanuel College	M.S.
George P. Groft	B.S., 1949, Kent State University	M.S.

Barbara Gillespie Grunbaum	B.A., 1955, University of Massachusetts	M.A.
Foster Gunnison, Jr.	B.A., 1949, Columbia University	M.A.
Marvin Hagel	B.A., 1952, Wesleyan University	M.A.
John Milton Hetherington, Jr.	B.A., 1956, Brown University	M.S.
Richard Wyatt Iles	B.S., 1952, Trinity College	M.S.
Robert Allen Johnson	B.A., 1953, St. Anselm's College	M.A.
Gerald Wayne Kerr	B.A., 1955, Nebraska State Teachers College	M.A.
Lewis Sheldon Keyes	B.S., 1958, Trinity College	M.S.
Marcia Seward Knight	B.A., 1941, Wellesley College	M.A.
John Alan Loffreda	B.A., 1957, University of Connecticut	M.S.
Donald Logan Mackay	B.B.A., 1951, Clarkson College of Technology	M.A.
Ruth Ogg	B.A., 1934, Hunter College	M.A.
Edgar Milan Palmer	B.A., 1956, Wesleyan University	M.S.
Rino Pettross	B.S., 1958, Central Connecticut State College	M.A.
James Danford Pomeroy	B.S., 1952, University of Massachusetts	M.S.
Howard Watson Quinby, Jr.	B.A., 1951, Williams College	M.A.
Mildred Solomon Savin	B.A., 1932, Connecticut College for Women	M.A.
Carolyn Martha Schinzel	B.A., 1957, St. Joseph College	M.A.
Robert James Schwensfeir, Jr.	B.A., 1956, Wesleyan University	M.S.
Edward Shukry Shia	B.S., 1952, Arnold College	M.A.
Virginia Marie Stewart	B.S., 1954, University of Massachusetts	M.A.
Nellie Maria Uccello	B.A., 1954, St. Joseph College	M.A.
David Lionel Werner	B.S., 1953, Trinity College	M.A.

HONORIS CAUSA

JOHN BAIRD BYRNE, West Hartford, Conn., Doctor of Laws
 LEONARD CARMICHAEL, Washington, D.C., Doctor of Science
 GLOVER JOHNSON, '22, New Rochelle, N.Y., Doctor of Laws
 ARTHUR LICHTENBERGER, Greenwich, Conn., Doctor of Sacred Theology
 RAINSFORD MOWLEM, London, England, Doctor of Science
 STUART THOMAS SAUNDERS, Roanoke, Va., Doctor of Laws
 LESLIE RICHARD SEVERINGHAUS, Haverford, Pa., Doctor of Humane Letters
 WILLIAM JOHN WOLF, '40, Cambridge, Mass., Doctor of Sacred Theology

Student List for 1959-1960

CLASS OF 1960

Robert William Adams, *Hartford*
Joseph Thomas Albano, *New London, Conn.*
Samuel Edward Aliano, *Hartford*
Hodell Anderson, *Barrington, R. I.*
Peter Stickney Anderson, *Greenwich, Conn.*
Richard Hall Anderson, *Flushing, N. Y.*
Robert Joseph Andreana, *Hartford*
Emil David Arle, *Bristol, Conn.*
Thomas Phillip Arvantely, *Thompsonville, Conn.*

Jere Lehman Bacharach, *Great Neck, N. Y.*
Richard Joseph Bajek, *Manchester, Conn.*
Joseph John Balchunas, *New Britain, Conn.*
Graham John David Balfour, *Madison, N. J.*
Malcolm Bohun Barlow, *Muncy, Penn.*
John Wheeler Bassett, *W. Englewood, N. J.*
Abbott Timothy Baum, *New York, N. Y.*
Robert Guy Beaven, *Lynbrook, N. Y.*
Raymond John Beech, *Ridgewood, N. J.*
Roland Throop Bergh, *Cedarhurst, N. Y.*
Charles Arnold Bergmann, *South Orange, N. J.*
Russell Freeman Bjorklund, *West Hartford*
George Gilcrest Black, *Grosse Pointe Farms, Mich.*

Adolph Jerome Bodine, *Glendale, Cal.*
Richard Gardner Bowden, *Barrington, R. I.*
Neboysha Ranko Brashich, *Flushing, N. Y.*
Richard Arthur Bray, *Newington, Conn.*
Sanford Alan Bredine, *Evanston, Ill.*
Richard Mark Brenner, *Hartford*
Charles Allen Bridley, *Scarsdale, N. Y.*
Edward William Brink, *Bristol, Conn.*
Craig Vernon Broberg, *Worcester, Mass.*
Joseph Arnold Broder, *Colchester, Conn.*
Henry Sawyers Bromley, III, *Gladwyne, Pa.*
Kenneth Roland Brown, *Dedham, Mass.*
Reed Haller Brown, *Albany, N. Y.*
Robert Owen Brush, *Bloomfield, Conn.*
Charles Sherman Burger, *San Marino, Cal.*
Walter Joseph Burns, Jr., *Santa Marta, Colombia, S. A.*

James Wilson Butler, *Hartford*
Michael Clay Canaday, *Denmark, S. C.*
Alva Babcock Caple, *Rosford, Ohio*
Gary Casali, *Ipswich, Mass.*
Edward Gould Chalker, *Chester, Conn.*
Robert MacDonald Champlin, *Westerly, R. I.*
David Whittier Chase, *Orange, Conn.*
David Ira Chichester, *Baldwin, N. Y.*
Joseph Michael Cimborra, *Danbury, Conn.*
Edward Michael Cimilluca, *New York, N. Y.*
Stephen David Clahr, *New York, N. Y.*
Carrington Clark, *Chicago, Ill.*
Gordon Wilmer Clarke, *Hartford*
Neil William Coogan, *Hartford*
Lloyd McClure Costley, *Carlinville, Illinois*

Stuart Platt Coxhead, *West Orange, N. J.*
William Burdette Crane, *Stamford, Conn.*
Eugene Wesley Curry, *Springfield, Ill.*
Martin Victor Dagata, *Plainville, Conn.*
Francis Anthony D'Anzi, *Hartford*
Christopher William Davenport, *Louisville, Ky.*

Walter Richard Davy, *Broomall, Pa.*
William Gaspard de Coligny, *Sweet Briar, Va.*

Gerald Henry Dessner, *New York, N. Y.*
Robert Lee Down, *Dunlap, Ill.*
Robert Joseph Duval, *Bristol, Conn.*
Donald John Ellwood, *Hartford*
Roger David Emley, *Pottstown, Pa.*
Arthur Olof Enquist, *Hartford*
Weymouth Eustis, *West Hartford*
Jerome Farnsworth, *Andover, Mass.*
John West Felton, *So. Freeport, Me.*
Courtland Delos Ferguson, II, *Bethesda, Md.*
Michael Lee Filiurin, *Chestnut Hill, Mass.*
Aaron Fleischman, *Highland Park, Ill.*
James Clark Forman, *Williamsville, N. Y.*
John Walter Foster, *Noroton, Conn.*
Frederick Story Fox, *Haddonfield, N. J.*
Brian Burns Foy, *Cleveland Heights, Ohio*
Bruce Hill Frank, *Norwich, Conn.*
William David Frawley, *Brockton, Mass.*
John David Friedman, *Brookline, Mass.*
Birger Blade Gabrielson, *Naugatuck, Conn.*
Conrad Driscoll Gage, *Geneva, Switzerland*
Joseph Lloyd Gage, *Rosemont, Pa.*
Donald John Galati, *Windsor, Conn.*
James Keleher Gavin, *Longmeadow, Mass.*
Edward Francis Gebelein, *West Hartford*
Louis Palmer Gerundo, *Wethersfield, Conn.*
James Gendron Gibbs, *Charleston, S. C.*
David Anthony Golas, *Manchester, Conn.*
Allen David Goldhamer, *Shaker Heights, Ohio*

Arnold Goldstein, *Hartford*
Preston Walker Grant, Jr., *Bethesda, Md.*
Arthur Jacob Green, *Rahway, N. J.*
Walter Jackson Green, *East Orange, N. J.*
Raymond Vernon Greenlee, *Marshall, Ill.*
Kenneth Greenwald, *New Rochelle, N. Y.*
Thomas Scandratt Grubbs, *Pittsburgh, Pa.*
Frank Robert Gudas, *Springfield, Ill.*
Ernest Mudarri Haddad, *West Roxbury, Mass.*

Richard Paul Hall, *Newport, R. I.*
Robert Tom Hall, *New Britain, Conn.*
David Martin Hammaker, *Winnetka, Ill.*
Richard Donald Hanelius, *Collinsville, Conn.*
Dixon Holman Harris, *Ferguson, Mo.*
Jon Michael Harrison, *Manchester, Conn.*
Charles Morris Hawes, *Bronxville, N. Y.*

- Karl Willie Hochadel, *Hartford*
 William Seth Hokanson, *West Hartford*
 William John Huffer, *New York, N. Y.*
 William Patterson Hunter, *Tuckerton, N. J.*
 Richard Douglas Irwin, *Lansdowne, Pa.*
 Frank Kincaid Jago, *Pennsauken, N. J.*
 William Croft Jennings, *Columbia, S. C.*
 Clifford Terry Johnson, *Newtown, Conn.*
 Milton Earle Johnson, *Hamden, Conn.*
 Robert Gregory Johnson, *Manchester, Conn.*
 John Charles Joseph, *Wilmette, Ill.*
 Lee Harry Kalcheim, *Philadelphia, Pa.*
 Stephen Kellogg, *Buffalo, N. Y.*
 Jonathan Keroes, *Long Beach, N. Y.*
 Robert Stanley Kirk, *Newtown, Pa.*
 Karl Peter Koenig, *Hamilton, N. Y.*
 Arthur Kotch, *Glenville, Conn.*
 George Piersol Kroh, *Kansas City, Mo.*
 John Dominique LaMothe, Jr., *Wilmington, Del.*
 Robert Edward Landry, *Collinsville, Conn.*
 Robert Carl Langen, *Bogata, N. J.*
 Robert Caswell Larsen, *Pelham, N. Y.*
 Irving Howard La Valle, *New York, N. Y.*
 Stephen Michael Lazarus, *Brooklyn, N. Y.*
 Roger Alvin Leclerc, *Agawam, Mass.*
 Francis Thomas Lenihan, *Watch Hill, R. I.*
 David Benjamin Leof, *Philadelphia, Pa.*
 Matthew Arnold Levine, *Philadelphia, Pa.*
 Michael David Lieber, *Pittsburgh, Pa.*
 Robert Frank Liepis, *Manchester, Conn.*
 Morris Lloyd, Jr., *Chestnut Hill, Pa.*
 Kenneth Joel Lyons, *Albany, N. Y.*
 William Hough Macdermott, *Cohasset, Mass.*
 Richard Erving Machol, *Hartford*
 David Martin, *West Hartford*
 John Whittier Mason, *Milwaukee, Wis.*
 Peter Hamilton McIlwain, *Bethlehem, Pa.*
 John Erastus McKelvy, *Pittsburgh, Pa.*
 Edward Harvey Mellor, *Fall River, Mass.*
 Charles Joseph Middleton, *Brooklyn, N. Y.*
 Edward Lillie P. Milholland, *Princeton, N. J.*
 John Michael Moran, *Manchester, Conn.*
 Robert Story Morgan, *Norwalk, Conn.*
 Michael A. Moroney, *West Hartford*
 Murray Hayward Morse, *Westport, Conn.*
 David Joel Narins, *Scarsdale, N. Y.*
 Philip John Newman, *Miami, Florida*
 William James Noonan, *Hartford*
 Michael David Norenberg, *Norwalk, Conn.*
 Fowler Barnes Norris, *New York, N. Y.*
 Charles Warren Ormerod, *Westwood, N. J.*
 Woodley Beal Osborne, *Englewood, N. J.*
 William Joseph Paterson, *Kincaid, Ill.*
 Robert Alfred Pedemonti, *Hartford*
 Alvin Paul Perlman, *West Hartford*
 John Apperley Peters, *Fitchburg, Mass.*
 Marvin William Peterson, *Geneseo, Ill.*
 Anthony Stuart Wiley Phillips, *Rochester, N. Y.*
 Clark Phippen, *Wenham, Mass.*
 Donald LeRoy Plank, *Rockville, Conn.*
 Nicholas Francis Poschl, *New York, N. Y.*
 Anthony Pratt, *New York, N. Y.*
 Marco Nicholas Psarakis, *Hamden, Conn.*
 Robert Leach Puffer, *Middlebury, Conn.*
 Michael Philip Rhodes, *Wethersfield, Conn.*
 Grosvenor Hutchins Richardson, *New Providence, N. J.*
 Bankson Cram Riter, *Spring City, Pa.*
 Bruce McFarland Rockwell, *Grosse Pointe, Mich.*
 Barry George Royden, *Branford, Conn.*
 David Milner Russell, *Glastonbury, Conn.*
 Robb Nichols Russell, *Lewistown, Ill.*
 John Loomis Rutledge, *Darien, Conn.*
 Charles Daly Ryder, *New Haven, Conn.*
 William Arthur Sachs, *Jamaica, N. Y.*
 James Richard Sallinger, *Brookline, Mass.*
 Harold Joseph Salm, *Flushing, N. Y.*
 Alan Kent Salmon, *Moorestown, N. J.*
 John Allston Sargent, *Greenwich, Conn.*
 William Clay Sargent, *New York, N. Y.*
 Peter Totten Schmitt, *Hartford*
 Allen Morris Schneider, *New Britain, Conn.*
 John Frederick Schulik, *Garden City, N. Y.*
 Richard Martin Schwiebert, *Westwood, N. J.*
 Curtis Merrill Scribner, *Portland, Me.*
 Edward William Seifert, *Pittsburgh, Pa.*
 James Wayne Shetter, *E. Berlin, Pa.*
 James Chandler Shulthies, *Hartford*
 Michael A. Sienkiewicz, *Doylestown, Pa.*
 Steven Leonard Siskind, *Malverne, N. Y.*
 Spencer Lanier Smith, *Lakeland, Fla.*
 Lewis Frederick Snow, *Windsor, Conn.*
 Edward Bradley Speno, *Summit, N. J.*
 Richard John Stec, *Newington, Conn.*
 Richard Paul Stenta, *East Longmeadow, Mass.*
 Roy Lambert Stephens, *Needham, Mass.*
 Richard Warren Stockton, *Short Hills, N. J.*
 Bruce Stone, *Hamden, Conn.*
 Peter Strasser, *New York, N. Y.*
 George Strawbridge, Jr., *Paoli, Pa.*
 Christopher Loren Sturge, *Hempstead, N. Y.*
 Robert Thomas Sweet, *Manchester, Conn.*
 Robert McCoy Swift, *Barrington, R. I.*
 Oliver Swigert, *Hartford*
 Reuben Chapman Taylor, III, *New Haven, Conn.*
 Robert Thibeault, *Medford, Mass.*
 Lamont Dominick Thomas, *Hartford*
 John Ireland Thompson, *Beverly Farms, Mass.*
 Burton Tiffany, *Winsted, Conn.*
 James Arthur Tilzer, *Bronx, N. Y.*
 Mark Bradley Tracy, *Bloomfield, Conn.*
 John Alan Trepl, *Rutherford, N. J.*
 Peter Tsairis, *Hempstead, N. Y.*
 James Morris Turman, *Wyncote, Pa.*
 Peter Brewster Underhill, *Sandy Hook, Conn.*
 Michael David Varbalow, *Merchantville, N. J.*
 Anthony Francis Vignone, *Wethersfield, Conn.*
 Anthony Lee Wachs, *Elkins Park, Pa.*
 Michael Sedgwick Wade, *Oxford, Md.*
 Frederick Walter Wagner, *Baltimore, Md.*

John Buchanan Walker, *Madison, N. J.*
 Laurence C. Ward, III, *Princeton, N. J.*
 John Craven Wardell, *Tenafly, N. J.*
 Michael Washington, *Springfield, Ill.*
 Charles Albert Webb, *Baltimore, Md.*
 Robert Michael Weinstock, *Philadelphia, Pa.*
 George Weisz, *New York, N. Y.*
 Thomas Frederick White, *Rocky Hill, Conn.*
 Rodney Galloway Whitelaw, *Teaneck, N. J.*
 Edward Thomas Wickham, *Oklahoma City, Okla.*
 John Webster Wilcox, *New Britain, Conn.*

Francis Goodwin Williams, *Washington, D. C.*
 John Walton Winans, *Grosse Pointe Shores, Mich.*
 Robert Aljlian Winter, *Freeport, N. Y.*
 Jules Stafford Worthington, *Rockfall, Conn.*
 Robert Wilmot Wright, *Wethersfield, Conn.*
 Thomas McKay Wyckoff, *Laughlinton, Pa.*
 Ying-Yeung Yam, *Kent, Conn.*
 Myron Joseph Zitt, *W. Hempstead, N. Y.*

CLASS OF 1961

Michael Thomas Alogna, *Wethersfield, Conn.*
 Anthony Francis Amenta, *East Hampton, Conn.*
 Donald Paul Anderson, *Manchester, Conn.*
 Charles Henry Andrezejczyk, *Hartford*
 Salvatore Thomas Anello, *Hartford*
 Irving Jackson Angell, Jr., *Summit, N. J.*
 John David Avallone, *Hartford*
 Nathan Sprague Bard, *Danielson, Conn.*
 Robert Warren Bates, *Hartford*
 Hans Phillip Bauer, *Troy, N. Y.*
 Christopher Beebe, *Amherst, Mass.*
 Robert Hazen Bell, *Ansonia, Conn.*
 Clifford Mortimer Bernstein, *L. I., N. Y.*
 Ronald Alfred Blanken, *Chicago, Ill.*
 Harold Frederick Boardman, Jr., *Drexel Hill, Pa.*
 Hamilton Haight Boykin, *Capetown, Union of South Africa*
 Robert E. Brault, *Hartford*
 Harrison Pond Bridge, *Chestnut Hill, Mass.*
 Paul Henry Briger, *Brooklyn, N. Y.*
 Richard Chandler Brightman, *Warwick, R. I.*
 Franklin Leonard Brosgol, *Philadelphia, Pa.*
 Robert Lyman Brown, *Douglaston, N. Y.*
 Andrew Bert Cantor, *Elkins Park, Pa.*
 Ronald Joseph Careb, *New Britain, Conn.*
 Philip Sidney Carter, Jr., *Sharon, Mass.*
 Peter Bradley Clark, Jr., *New York, N. Y.*
 Paul Edward Cochran, *Wellesley, Mass.*
 Bruce Taylor Coleman, *Forestville, Conn.*
 Joseph Edward Colen, *Gladwyne, Pa.*
 Jeffrey Richmond Corey, *Portland, Conn.*
 Allen Wilson Cowley, *Camp Hill, Pa.*
 John Michael Cramer, *Carbondale, Pa.*
 Stephen Jon Crockett, *Wellesley, Mass.*
 Michael Talcott Cuddigan, *Wethersfield, Conn.*
 Craig Wood Cullen, *Wayne, Pa.*
 Daniel Abner Davis, *Providence, R. I.*
 Paul James Devendittis, *New London, Conn.*
 Robert Andrew Dinsmore, *East Hartford*
 Guy Orlando Dove, III, *Washington, D. C.*
 Herbert Gustav Draesel, Jr., *Harrington Park, N. J.*
 John Howard Draper, III, *Canton, Mass.*
 Richard Arnold Druckman, *Hartford*

Erik Nilsson Dunlaevy, *Oyster Bay, L. I., N. Y.*
 Hugh Wallace Ewart, Jr., *Decatur, Ill.*
 Donald Jost Fish, *White Plains, N. Y.*
 Peter Van Dyke Fish, *Allentown, Pa.*
 William Penn Fisher, III, *Chadds Ford, Pa.*
 Kerry Bryant Fitzpatrick, *Sea Girt, N. J.*
 Douglas Orr Fitzsimmons, *Hamden, Conn.*
 Matthew Dickinson Forrest, *Chatham, N. J.*
 Andrew Hotson Forrester, *West Hartford*
 Richard Barry Gadd, *West Hartford*
 James Nicholas Georgeady, *East Hartford*
 Charles Donald Gianetti, *Wethersfield, Conn.*
 Carl Esten Giegler, *Palos Heights, Ill.*
 Christopher Peter Gilson, *Pittsfield, Mass.*
 Frank Howes Gleason, *Lincoln, Mass.*
 Charles Anthony Goad, *Maple Shade, N. J.*
 Arthur Watson Gregg, *Darien, Conn.*
 Robert Powell Guertin, *Winnetka, Ill.*
 Alexander McLure Guild, *Hartford*
 Frank Andrew Gulotta, *Lynbrook, L. I., N. Y.*
 Francis Barton Gummere, Jr., *Marblehead, Mass.*
 Owen Roberts Hamilton, *Darien, Conn.*
 William Lobel Handler, *Manchester, Conn.*
 William Maxwell Hankins, III, *Maumee, Ohio*
 Edward Samuel Harrison, *Springfield, Mass.*
 Warren Neal Haynie, *Towson, Maryland*
 Simon Wolfe Hecht, *Brooklyn, N. Y.*
 John Boyd Henry, *Buffalo, N. Y.*
 Raymond Leonard Herman, *West Hartford*
 John Roten Herzig, *New York, N. Y.*
 Christopher Alan Hodges, *Agawam, Mass.*
 Peter Aron Hoffman, *Norwalk, Conn.*
 Robert Louis Honish, *Short Hills, N. J.*
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 Manning Martin Myers, *Norwalk, Conn.*
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 Barry Duff McCutcheon, *Glen Ridge, N. J.*
 Robert Merriam McElwain, *Newton Center, Mass.*

Malcolm Muir McGawn, *West Chicago, Ill.*
 Charles Harry McGill, III, *Easton, Conn.*
 Richard Darroch McGlennon, *Salem, Mass.*
 Allen Wrisley Merrell, Jr., *Grosse Pointe, Mich.*
 Eugene Paul Miele, *So. Orange, N. J.*

- Robert Gerrish Millar, *Grafton, Mass.*
 Allen Russell Miller, *East Hartford*
 Emmett Emmanuel Miller, III, *Jamaica, N. Y.*
 Paul Robert Milus, Jr., *Wilmington, Del.*
 Charles Jackson Minifie, *New York, N. Y.*
 Steven Jerry Molinsky, *Hartford*
 Dan Tyler Moore, III, *Cleveland Heights, O.*
 Richard James Moore, *Waterloo, Iowa*
 Guy Emil Morrison, *Hartford*
 Leland Lyon Moyer, *Wilmington, Del.*
 Robert Mead Murdock, *New York, N. Y.*
 Fred Jay Neulander, *Kew Gardens, N. Y.*
 Martinus Hoffman Nickerson, *Oyster Bay, New York*
 William Freeman Niles, *Mendham, N. J.*
 Richard Charles Nygard, *New Rochelle, N. Y.*
 John Oborski, *Glastonbury, Conn.*
 Brian Hilton Odlum, *West Hartford*
 Daniel Lawrence Ostapko, *Norfolk, Conn.*
 Thomas Carr O'Sullivan, *Nazareth, Pa.*
 Robert Hallden Parlee, *West Hartford*
 Julian Livingston Peabody, Jr., *New York, N. Y.*
 John Stephen Peake, Jr., *Philadelphia, Pa.*
 Stephen L. Perreault, *Pittsfield, Mass.*
 Robert David Perrin, *New York, N. Y.*
 Lee Allen Perron, *Wellesley Hills, Mass.*
 James John Petrovits, *Torrington, Conn.*
 Robert Frederick Pettit, III, *Wallace, Idaho*
 John Henry Pitcairn, *Pittsburgh, Pa.*
 Lockett Coleman Pitman, *Darien, Conn.*
 Michael Andrew Pleva, *Windsor Locks, Conn.*
 Robert James Pope, *Montgomery County, Pa.*
 David Martin Post, *Madison, N. J.*
 Peter Williams Potter, *New Bedford, Mass.*
 Thomas Leslie Rackliffe, *Plainville, Conn.*
 Edward Hurst Raff, Jr., *Hartville, Ohio*
 David Allen Raymond, *Waterbury, Conn.*
 John MacAllister Reeder, *Wilmette, Ill.*
 William Willis Reese, *Hewlett, L. I., N. Y.*
 Stephen Repetto, *Broad Brook, Conn.*
 Lloyd Lewis Reynolds, *Bala-Cynwyd, Pa.*
 Scott Walton Reynolds, *Mountain Lakes, N. J.*
 Perry Delafield Rianhard, *Middlebury, Conn.*
 John McLemore Richardson, *Greenwich, Conn.*
 John Ashmead Robb, *Montclair, N. J.*
 Edwin Herrmann Roberts, Jr., *Philadelphia, Pa.*
 Lawrence Gene Robertson, *Harwinton, Conn.*
 Anthony Wood Rogers, *Bethesda, Md.*
 Daniel Raymond Romanos, *West Hartford*
 Robert Benjamin Rubel, *Pittsford, N. Y.*
 John Denniston St. Clair, Jr., *Canton, O.*
 Stephen Gunn Sandberg, *Wethersfield, Conn.*
 Michael A. Schulenberg, *Red Wing, Minn.*
 David Cameron Scott, *Princeton, N. J.*
 Theodore Wiedersheim Scull, *Bryn Mawr, Pa.*
 Wilbur Shenk, III, *Lake City, Pa.*
 Peter Morris Sherin, *Marblehead, Mass.*
 David MacLean Shields, *Old Brookville, L. I., N. Y.*
 Anthony Anthony Sirianni, *Brooklyn, N. Y.*
 Don Gene Smith, *Bradford, Ill.*
 Richard Birney Smith, *Kansas City, Mo.*
 Thomas Howe Smith, *Hastings-on-Hudson, N. Y.*
 Kenneth Alden Southworth, *Millburn, N. J.*
 Robert Dale Spengler, *Granite City, Ill.*
 Robert Clark Spitzer, *River Forest, Ill.*
 Peter Cooper Stanley, *Lake Forest, Ill.*
 David Andrew Stegner, *Racine, Wis.*
 Brewster Stetson, Jr., *Duxbury, Mass.*
 Kenneth Austin Stevens, *Swansea, Mass.*
 Charles Theodore Stier, *Sioux Falls, S. D.*
 Robert Lewis Streisand, *Great Neck, N. Y.*
 Gray Carroll Stribling, Jr., *St. Louis, Mo.*
 John Andrew Szumczyk, *West Hartford*
 William Richmond Talbot, Jr., *Philadelphia, Pa.*
 Mansfield Kirby Talley, Jr., *Westminster, Md.*
 Charles Luther Tate, *Agawam, Mass.*
 Don Fairfax Taylor, *Silver Spring, Md.*
 Harvey Winton Thomas, Jr., *Colchester, Conn.*
 Jonathan Tiefenbrun, *New York, N. Y.*
 William James Tozer, *Salt Lake City, Utah*
 Edison Jean Trickett, *Washington, D. C.*
 Stephen Howard Tucker, *Forest Hills, N. Y.*
 Richard Dean Tuttle, *Roselle, N. J.*
 Robert Randolph Tyndall, *Woodmere, L. I., N. Y.*
 Richard Werner Ulbrich, *Wellesley Hills, Mass.*
 Harold Kirby Vickery, Jr., *West Boylston, Mass.*
 Winfield George Viering, *Collinsville, Conn.*
 Peter Frederick Von Starck, *Bryn Mawr, Pa.*
 John Spalding Waggett, *Mexico, Mo.*
 John Waller Wardlaw, Jr., *Raleigh, N. C.*
 Stephen Shepard Washburne, *Oceanport, N. J.*
 Kim Schaefer Waterhouse, *Maui, Hawaii*
 John Davis Watson, *Pelham, N. Y.*
 Robert Thompson Watt, *Groveland, Mass.*
 David Hammond Webster, *Bristol, Conn.*
 Kurt Albin Wetzel, *Hartford*
 Richard Wendell Wheelock, *Rancho Santa Fe, Calif.*
 Nicholson Barney White, *Leesburg, Va.*
 Henry Curtis Whitney, *Argentina*
 David Overlock Wicks, Jr., *Waban, Mass.*
 Gerald Alan Winer, *West Hartford*
 Donald Chester Winfield, *Tenafly, N. J.*
 Samuel David Winner, *Hatboro, Pa.*
 Ronald Walker Wright, *Hartford*
 Theodore Anthony Wright, *Prospect, Conn.*
 Stephen Hinman Yeaton, *Skowhegan, Me.*
 Stanley Anders Yocom, Jr., *Philadelphia, Pa.*
 Cyril Yonov, *Sea Cliff, N. Y.*
 Ihor Zachariasewycz, *Hartford*
 Robert Zimmerman, *Suffield, Conn.*

TRINITY COLLEGE

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(As of October 15, 1959)

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Special	4
5th Year Engineering	<u>5</u>
Total	984
Graduate Students	379
Other Evening Students	<u>3</u>
Grand Total	1366

This issue of the General Catalogue lists all students enrolled at any time during the academic year prior to publication. A tentative list of the incoming Freshman Class has been included on the following pages.

Freshman Class 1960-1961

CLASS OF 1964*

- Victor Allen Adelstein, *West Hartford*
 David John Ahlgren, *New Britain, Conn.*
 Ralph Waldo Allen, *Melrose, Mass.*
 Alan Norman Anderson, Jr., *Hingham, Mass.*
 Michael Phineas Anderson, *New York, N. Y.*
 Robert Stephen Anderson, *West Hartford*
 Allan S. Atherton, *Louisville, Ky.*
 Kenneth Richard Auerbach, *Rye, N. Y.*
 William Henry Avery, II, *Washington, D. C.*
 John Keith Bailey, *Sarasota, Fla.*
 Harding Foster Bancroft, Jr., *New York, N. Y.*
 Gerry Melvin Baran, *Bristol, Conn.*
 William James Barnes, III, *Wilmington, Del.*
 Robert Ernest Bennett, *Wheaton, Ill.*
 Edson Lee Blackman, *Bloomfield, Conn.*
 Rufus Wilder Blocksidge, *Pittsburgh, Pa.*
 Richard Donald Bloomstein, *Summit, N. J.*
 Lawrence Stephen Blumberg, *Teaneck, N. J.*
 Arthur Bobruff, *West Hartford*
 George William Bois, *Bloomfield, Conn.*
 Lewis Mercer Borden, *Englewood, N. J.*
 Laurence David Bory, *Levittown, N. Y.*
 Ronald Valerian Bosch, *New Britain, Conn.*
 Bruce James Bowen, *Chevy Chase, Md.*
 William Thompson Bowie, *Wilmington, Del.*
 Michael Francis Boyle, *Hartford*
 Ronald Earl Brackett, *Decatur, Ill.*
 William Badeau Bragdon, *Fanwood, N. J.*
 Richard Pigeon Brainerd, *Hartford*
 Steven Robert Bralove, *Washington, D. C.*
 William Morton Brandt, *Bridgeport, Conn.*
 Jeffrey Hunt Brasfield, *Staten Island, N. Y.*
 Bruce D. Bridegroom, *Kenilworth, Ill.*
 Richard Thomas Brown, *Waterbury, Conn.*
 Alfred Christian Burfeind, *Plainfield, N. J.*
 William Whitehead Burnham, *Watertown, Conn.*
 John Morrison Burton, *Oklahoma City, Okla.*
 Malcolm Osborne Campbell, Jr., *Westerly, R. I.*
 William Finch Campbell, Jr., *Philadelphia, Pa.*
 Peter Nino Casadei, *Litchfield, Conn.*
 David Russell Case, *Poquonock, Conn.*
 James David Casson, *Torrington, Conn.*
 Barry Wallace Champany, *Windsor, Conn.*
 Jeffrey Frazer Chandor, *Basking Ridge, N. J.*
 John Hastings Chatfield, *Bradford, Vt.*
 John Horace Churchman, Jr., *Lafayette Hill, Pa.*
 Donald John Cimilluca, *New York, N. Y.*
 Beverly Nix Coiner, *Paris, France*
- Thomas Edward Cone, III, *Bethesda, Md.*
 John Woodrow Corman, *Allentown, Pa.*
 Edward Alan Corris, *Providence, R. I.*
 William Donald Edward Coulson, *Richmond, Va.*
 Douglas Wheelock Craig, *New Rochelle, N. Y.*
 Timothy Heywood Crawford, *Essex, Conn.*
 John Player Crosby, *New York, N. Y.*
 David Lee Curry, *Springfield, Ill.*
 William Cornelius Daley, Jr., *Chagrin Falls, Ohio*
 John Wyness Day, *Tulsa, Okla.*
 Michael Dearington, *Danielson, Conn.*
 Richard Albert DeMone, *Quincy, Mass.*
 David Anthony Denby, *Bristol, R. I.*
 Gerald Maurice Deneault, *New Bedford, Mass.*
 Laurent Christophe Deschamps, *Stone Harbor, N. J.*
 James Laird deVou, *Pittsburgh, Pa.*
 Robert Emery Diemar, Jr., *Fort Thomas, Ky.*
 Michael Walters Dols, *Baltimore, Md.*
 Douglas Lynn Drynan, *Albany, Ore.*
 Donald Alan Durkee, *Hartford*
 Edward Linskill Warren Ehart, *Norwalk, Conn.*
 Douglas William Ehrhardt, *Jackson Heights, N. Y.*
 Kenneth Daniel Elder, *Poquonock, Conn.*
 Ward Burleson Ewing, *Knoxville, Tenn.*
 Steven Ira Fein, *Whitestone, N. Y.*
 Bertram Elliot Feingold, *Manchester, Conn.*
 Robert Feinschreiber, *Brooklyn, N. Y.*
 Michael Alex Feirstein, *Jamaica, N. Y.*
 John Nelson Fenrich, Jr., *South Orange, N. J.*
 James Enrico Ferrara, *Vineland, N. J.*
 Vincent Fiordalis, II, *Shaker Heights, Ohio*
 Kenneth Elton Fish, Jr., *Warwick, R. I.*
 Kirk Thomas Foley, *Simsbury, Conn.*
 Jeffery Foster, *Milwaukee, Wisc.*
 Charles Tappan Francis, *Dover, Mass.*
 Geoffrey Taylor Freeman, *Dover, Mass.*
 Lawrence Michael Friedman, *Bayside, N. Y.*
 Bruce Woodward Frier, *Naperville, Ill.*
 David Holt Galaty, *LaGrange, Ill.*
 Alden Ralph Gardner, *Attleboro Falls, Mass.*
 Christopher Tait Gilson, *Geneva, Switzerland*
 Kenneth Robert Goldberg, *Hartford*
 John Reed Gordon, *Pittsburgh, Pa.*
 Charles Lewis Grant, *Kearny, N. J.*
 Robert Scott Gregory, *Vashon, Wash.*
 Michael Grossman, *Neponsit, N. Y.*
 Vincent William Haiko, Jr., *East Hartford*

*As of September 1, 1960

- Richard Carter Hallowell, *North Easton, Mass.*
 Charles Frederick Hamblen, *Gales Ferry, Conn.*
 Jonathan Lee Haring, *Wilmette, Ill.*
 David Bruce Harrison, *Queens Village, N. Y.*
 Henry W. Haslach, Jr., *Lake Forest, Ill.*
 Wilbur Everett Hawthorne, Jr., *Burnt Hills, N. Y.*
 Peter Kyle Hayes, *Washington C.H., Ohio*
 Edwin Michael Heid, *Washington, D. C.*
 John Mortimer Heldt, *Woodmere, N. Y.*
 David Andrew Hemphill, *Evanston, Ill.*
 Frederick Charles Herdeen, *Hicksville, N. Y.*
 Robert William Hevner, *Gladwyne, Pa.*
 John Warren Highberger, *Marblehead, Mass.*
 Howard Clark Hirschmann, *Flushing, N. Y.*
 Peter Gilbert Hodges, *Cleveland Heights, Ohio*
 David Benjamin Horowitz, *New Haven, Conn.*
 Harrison Hibbert Huntoon, *Providence, R. I.*
 John Christopher Hussey, *Washington, D. C.*
 John Harold Hutchins, Jr., *Hastings-on-Hudson, N. Y.*
 Albert David Hutzler, III, *Pikesville, Md.*
 Michael Worcester Ingram, *Somers, Conn.*
 Francis Brinton Jacobs, *West Chester, Pa.*
 Lawrence Stearns James, II, *Rye, N. Y.*
 Edward Ephraim Jenkins, *Clifton, N. J.*
 Bruce Edwin Johnson, *Watertown, Conn.*
 Thomas Phelps Jones, III, *Kennebunkport, Me.*
 John Paul Kadlic, *Springfield, N. J.*
 Sidney Robert Katz, *Jersey City, N. J.*
 George Andrew Kellner, *Hollis Hills, L. I., N. Y.*
 Frank Gloyd Kirkpatrick, *Charleston, W. Va.*
 Bruce Trenchard Klein, *Wayzata, Minn.*
 Charles Rodger Klotz, *Woodcliff Lake, N. J.*
 Stephen Laurence Knapp, *Washington, D. C.*
 John N. Knight, *Monroe, N. Y.*
 William Richard Koretz, *Highland Park, Ill.*
 Richard Warren Krone, *Jamaica, N. Y.*
 David Edward Ladewig, *Ridgefield, Conn.*
 Stephen Ellis Landay, *Pittsburgh, Pa.*
 James Alan Lapenn, *Lynn, Mass.*
 Barry John Leghorn, *Hartford*
 Robert Douglas Leonard, *Manasquan, N. J.*
 Donald Holt Levy, *New York, N. Y.*
 William John Linn, *Hartford*
 Donald H. Lintz, *Shaker Heights, Ohio*
 Alan Frederick Lucke, *Palmyra, Mo.*
 Jerome Michael Lutin, *Hartford*
 Robert Bruce MacDougall, *Washington, D. C.*
 Carl Michael Malm, *Rochester, N. Y.*
 Bryan Anthony Marmesh, *Austin, Minn.*
 Joseph Richard Martire, *Teaneck, N. J.*
 Patrick Dennis Mason, *Denver, Colo.*
 Charles Ronald Mather, Jr., *Essex Falls, N. J.*
 Franklin Winfield McCann, *Pound Ridge, N. Y.*
 Michael Edward McGurkin, *Wethersfield, Conn.*
 John Gibson McIntire, *Philadelphia, Pa.*
 Thomas Boyd McKune, *Peoria, Ill.*
 Christopher John McNeill, *Manchester, Conn.*
 Gary Willard McQuaid, *Oceanport, N. J.*
 John Peter Melrose, *White Plains, N. Y.*
 Andrew Curtis Merryman, IV, *Oakland, Cal.*
 Samuel Livingston Millbank, *New York, N. Y.*
 Fred Raymond Miller, *Scarsdale, N. Y.*
 Robert Carmi Miller, Jr., *Elgin, Ill.*
 William Minot, Jr., *Wareham, Mass.*
 Norman Sager Mitchell, *Pasadena, Cal.*
 Robert Huffman Mitchell, *Dayton, Ohio*
 John Justin Moeling, *Camden, Me.*
 Thomas Joseph Monahan, *Fairfield, Conn.*
 James Robley Moor, Jr., *Stafford, Pa.*
 John Tush Morris, Jr., *Saddle River, N. J.*
 Edward John Mosher, *Rochester, N. Y.*
 Philip Cadwell Murphy, *West Hartford*
 Gilbert Lee Nelson, *New Brunswick, N. J.*
 William Woodruff Niles, III, *Idaho Springs, Colo.*
 William Bennett Notman, *Marion, Mass.*
 John Anthony Ogden, *Springfield, Ill.*
 Steven Anton Ormenyi, *New Milford, Conn.*
 Peter Dunlopp Orr, *Amsterdam, N. Y.*
 Terry Ole Oulundsen, *West Hartford*
 Zigmond Frank Pabich, *Hartford*
 John Anthony Pagnoni, *Hartford*
 Brooks Ripley Palmer, *Chevy Chase, Md.*
 Kenneth Wayne Parsons, *Sayville, N. Y.*
 Richard Edward Pastore, *Eastchester, N. Y.*
 Bruce August Pavlech, *Berlin, Conn.*
 John Ralph Pearson, *Evanston, Ill.*
 Robert Lawrence Peck, *Binghamton, N. Y.*
 Francis Baring Peckham, Jr., *Ridgefield, Conn.*
 Theodore Tyler Pettus, *St. Louis, Mo.*
 George FitzRandolph Plass, Jr., *Riverside, Conn.*
 Jon Ramsey Powell, *New York, N. Y.*
 Harry Del Pratt, *Alton, Ill.*
 David Gordon Pumphrey, *Pittsburg, Cal.*
 David Finlay Pyle, *Washington, D. C.*
 Arthur James Querido, *Hartford*
 Ronald Joseph Quirk, *Forestville, Conn.*
 Juri Randmaa, *Hartford*
 James Arthur Ratches, *Hartford*
 Winthrop Horton Richardson, *San Angelo, Texas*
 Wilson Allen Riley, *West Hartford*
 Samuel Robert Rimer, *Marblehead, Mass.*
 Edward Pierce Roberts, Jr., *South Hamilton, Mass.*
 Robert Dennis Rodner, *Bronx, N. Y.*
 Charles Joseph Roncaioli, *Collinsville, Conn.*
 Myron Rosenthal, *West Hartford*

James Clark Rowan, Jr., *Abington, Pa.*
 John Charles Rowlett, *Oklahoma City, Okla.*
 Robert William Rudnikoff, *Yonkers, N. Y.*
 Richard Jarrett Rushmore, Jr., *Florham Park, N. J.*
 Robert Alan Sachs, *Jamaica, N. Y.*
 Daniel Asher Saklad, *Belmont, Mass.*
 Robert John Sanzo, *Hartford*
 Joseph Sarcia, Jr., *Hartford*
 Peter Jay Schaefer, *Stratford, Pa.*
 Fred Ernest Schaltegger, *New Milford, Conn.*
 Robert Bennett Schilpp, *Wayne, Pa.*
 Richard Bernard Schiro, *Greenwood, S. C.*
 Robert Carl Schwartz, *West Hempstead, N. Y.*
 Donald Linn Schwennesen, *Haverford, Pa.*
 Thomas John Shortell, *Hartford*
 Walter John Sidor, Jr., *West Hartford*
 Richard Jay Siegel, *Denver, Colo.*
 Lawrence Jay Silver, *Hartford*
 Thomas Wesley Singleton, *Danielson, Conn.*
 Joseph John Sinicrope, *Hartford*
 Ian Roger Smith, *Annapolis, Md.*
 Carl Michael Sommer, *Mystic, Conn.*
 James Ronald Spencer, *St. Michaels, Md.*
 Robert Acheson Spencer, *Pittsburgh, Pa.*
 John Snowden Stanley, Jr., *Baltimore, Md.*
 Alfred Steel, Jr., *Philadelphia, Pa.*
 Bruce Lawrence Stevens, *Baldwin, N. Y.*
 Thomas Craig Stevens, *Kenilworth, Ill.*
 Charles Gilbert Storms, *Midland Park, N. J.*
 Richard Brooks Stowell, *San Francisco, Cal.*
 Donato Amedeo Strammiello, *Hartford*
 Robert Orkney Stuart, *Wethersfield, Conn.*
 Wilson Henry Taylor, *Windsor Locks, Conn.*
 James Edward Tetro, *Bristol, Conn.*
 Jeffrey Paul Thomases, *Englewood, N. J.*
 George Lincoln Tisdale, *Winchester, Mass.*

Charles Edgar Todd, *Easton, Md.*
 David Weller Tompkins, *Suffield, Conn.*
 Michael Norris Tousey, *Park Forest, Ill.*
 David Hathaway Tower, *Darien, Conn.*
 Richard Hilton Towle, *Warwick, R. I.*
 Daniel Stephen Tuft, *Denver, Colo.*
 James Scott Twerdahl, *Barrington, Ill.*
 Edmund Stairs Twining, III, *Huntington, N. Y.*
 Daryle Lee Uphoff, *Minonk, Ill.*
 Robert Valentine Voorhees, *Bethlehem, Pa.*
 Thomas Smith Wadlow, Jr., *Old Lyme, Conn.*
 David Vincent Wadsworth, *East Chatham, N. Y.*
 Alan Baker Wallace, *Edwardsville, Ill.*
 John Gaines Warner, *Milwaukee, Wis.*
 Clifford George Warren-Boulton, Jr., *Greenwich, Conn.*
 Keith Stuart Watson, *Bronxville, N. Y.*
 Bruce A. Waxman, *Oreland, Pa.*
 Morrie Greene Weaver, *Perrysburg, Ohio*
 Jesse Jay Wellen, *Brentwood, N. Y.*
 Robert Karch Wenger, *West Hartford*
 Raymond Alan Wertheim, *Philadelphia, Pa.*
 John Leigh Westney, Jr., *New York, N. Y.*
 Charles Dana White, *New Canaan, Conn.*
 James Donald Whitehill, *Manchester, Conn.*
 Albert Creighton Williams, *Chestnut Hill, Mass.*
 Thomas Becker Wiltbank, *Glen Head, N. Y.*
 Kenneth Malcolm Wiltsek, *Crestwood, N. Y.*
 Gilbert Paul Winter, *Port Washington, N. Y.*
 John Hall Witherington, Jr., *Cranford, N. J.*
 Arnold Seton Wood, *Marblehead, Mass.*
 David Clark Woolman, *Providence, R. I.*
 Ronald Edward Yates, *Warwick, R. I.*
 Malcolm Sprague Zickler, *West Hartford*
 Otto Zinser, *Hartford*

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